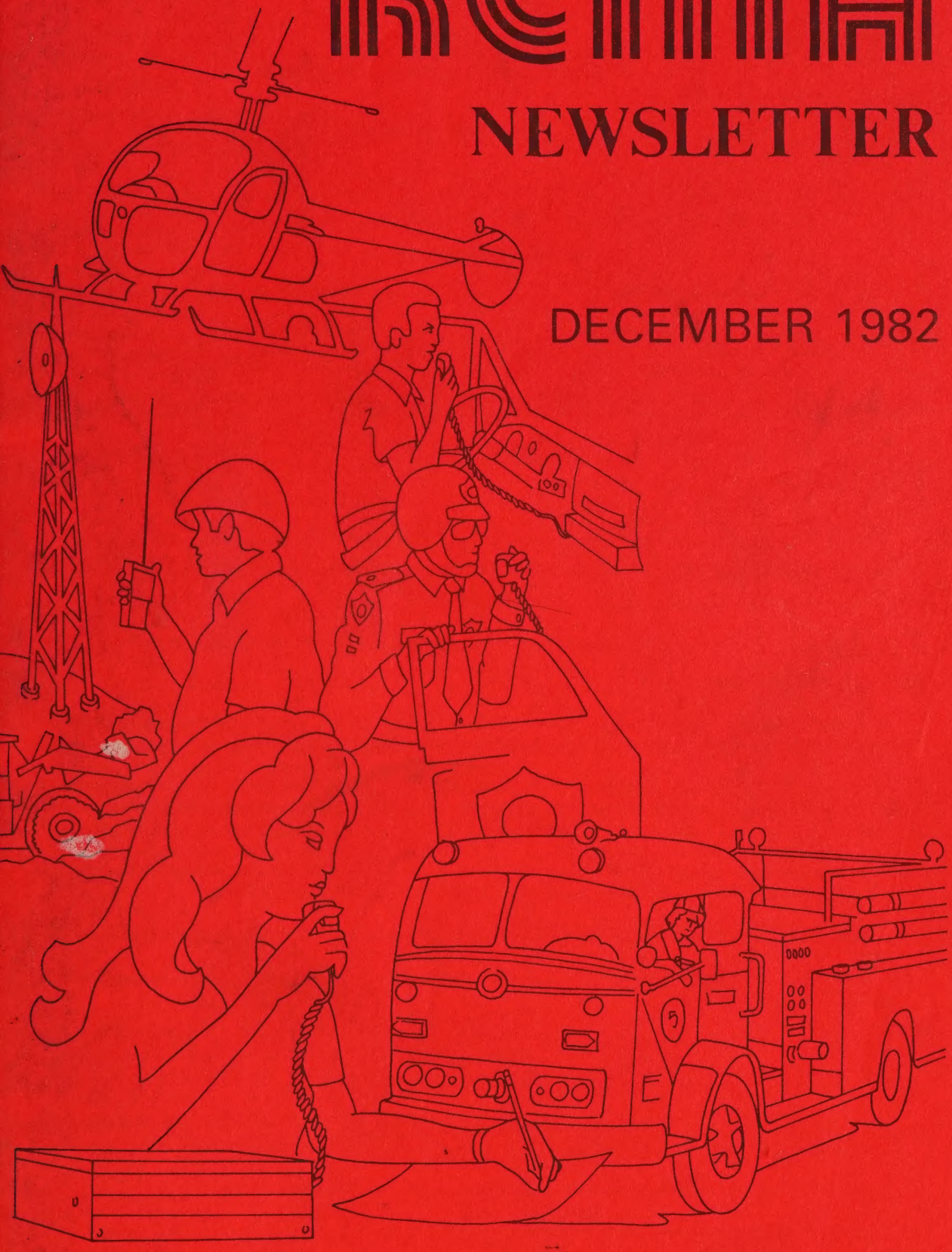
RCMA

NEWSLETTER

DECEMBER 1982



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OF MONITOR RADIO LISTENERS

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or
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2831 Hermanos St.
Pasadena, CA 91107
213-796-0804 (8AM–5PM)

TREASURER

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RCMA NEWSLETTER

MANAGING EDITOR

Carol E. Ruth (CA-OR-100)
P.O. Box 542
Silverado, CA 92676

ASSISTANT EDITOR

Ginny Slick (MD-012)
1 West Potomac
Williamsport, MD 21795

EDITORIAL ADVISOR

MAILING COMMITTEE CHAIRMAN

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ADVERTISING MGR.

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P.O. Box 13602
St. Louis, MO 63138

RCMA REPRESENTATIVES TO THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A., P.O. Box 4563, Anaheim, CA 92803. This includes matters that relate to renewals, changes of address, newsletter delivery problems, etc.

2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA, P.O. Box 408, Earp, CA 92242.

4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.

5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

6. Please write on only one side of the paper.

7. Please don't combine in one letter several items that should go to different addresses.

8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

9. Your RCMA membership number and expiration date appear on your newsletter mailing label.

10. You may join or renew your membership for ONLY one year at a time.

11. The RCMA Newsletter accepts paid advertising. If you would like to place a paid ad, please write to the following address for our advertising guidelines: RCMA Newsletter, P.O. Box 13602, St. Louis, MO 63138

RCMA NEWSLETTER
Issue 81 December 1982
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The RCMA Newsletter is published monthly by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, P.O. Box 4563, Anaheim, CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$18.50; Europe—$20.00, South Pacific and Asia—$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted © .
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** Calendar **

Send notices of upcoming events for the Calendar section to:
John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803.
Please send notices well in advance of the Newsletter deadline.

Greater L.A. Area R.C.M.A. Eric Christensen CALA045 Presiding
--Meetings tentatively scheduled each third Friday of the month--

November 19 FRIDAY 7 P.M. Tour

LAX Control Tower Los Angeles International Airport
Cameras and/or Video allowed but NO Flash equipment

We are to meet at the tower at 6:45 pm. Parking where you can. With the construction and all there, it may be best to park and ride the shuttle buss We will be using 143.330 (the Gordo channel) as a talk in frequency.

December 17 FRIDAY Meeting at Mercury Savings and Loan, Valley View and Lincoln, Buena Park, Ca 8:00PM. 2nd Floor. Elevator in back.

No Meeting Scheduled. Merry XMAS

January 21 FRIDAY 8 P.M. Tour

NET 6 Fire Communications Center Huntington Beach

February 18 FRIDAY 8 P.M. Tour

CALTRANS Operations Center.
120 S. Spring Street Los Angeles.

R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: NANCINI'S Resturant 5555 St Charles Road, Berkeley, Il
two blocks east of St Charles Road exit from Eisenhouer
Expressway Extention I-290 (phone 312 544 7277)

A SASE on file assures notification of tours and other item which may be scheduled on short notice.

R.C.M.A. Connecticut Chapter

Contact Bill Moore CT 038 203-223-0840
950 Farmington Ave, New Britain, CT 06051

Southern New England Scanners Club is forming-

Contact Maurice Dandeneau RI 017 401-828-1641
P.O. Box 7052, Warwick, RI 02887

********* 1980-82 R.C.M.A. Newsletter back issues are now available.

Price $1.50 per copy + $.25 postage

Orders should be sent to: R.C.M.A.
Bill Ell, Secretary
2831 Hermanos Street
Pasadena, Ca 91107

THOUGHT waves

Ginny Slick, RCMA Assistant Editor, 1 West Potomic, Williamsport, MD 21795

The Christmas season is upon us and I'll use a little RCMA space to send greetings to everyone in our club. It is said that when we give, we get back more in return. If that is true, then there are many of you who are due for an extra present under the tree; and since we were recipients of your gifts, I hope you'll find some new information in our December issue as our present to you.

I have been told that the vast majority of our members are public-safety oriented. At this particular time of the year, my "thought waves" are directed to the volunteers who always seem to do more than they have to when people are in need.

In the small town of Williamsport, Christmas morning always begins when Santa Claus rides through town on a fire truck, calling all children to come to the fire hall where a party is in progress. Each child receives an orange and candy and has a chance to thank that "jolly old elf" who left all those gifts under the tree. That afternoon might find our "Santa" giving the precious gift of extra time to a patient responding to CPR.

Wherever one lives there are these special people who give up their Christmas day (and many other days) to make life safer for us all. Throughout the year they take courses which elevate their performance levels; they offer services to the community which act as preventatives; they educate us in safety and life-saving techniques. It is all too easy for us to forget they exist until we need them.

Those of us who are daily listeners to the actions of our volunteers will find it more difficult to put them out of our memories, yet many of us do not act on our knowledge. I feel very lucky to be in a position to be able to say to many of them who read this column: THANK YOU!!!!

Why don't you say it too, if you feel so inclined? Perhaps you have a daily newspaper to which you can write a letter to the editor, or you might send a note directly to the service or volunteer. It will really make them feel appreciated.

Now before I sign off, does any one know whether that sleigh has to contact air stations on its flight from the North Pole? Is the frequency classified? Does he use a code name? Send any relevant information quickly, please!!

Merry Christmas!

Ginny

YOUR THOUGHTS

1 West Potomac, Williamsport, MD 21795

To the Editors:

This is in response to your policy statement on pages 3 and 4 of the September 1982 Edition of the NEWSLETTER.

First of all, I can't understand what all the discussion, comments, explanations and excuses are about if it just pertains to the list of frequencies you refer to in this article; this so-called list of

sensitive frequencies that you refuse to print. If this list of agencies you give is what all the controversy is about, someone is making a big deal over nothing.

I have all but two or three of these frequencies and have obtained them from other publications that I have purchased either through the mail or off the rack at one of the local radio stores or electronic equipment outlets. The few that I don't have are ones that would be useless unless one were in the area that they were used in such as the White House Communications frequency in Washington, D.C.

Secondly, it irritates me to know that I subscribe to your publication for the main purpose of obtaining otherwise hard to find information and frequencies and that you continually tell me and the rest of your readership that you know something that we don't; that you know we would like to know; that you know frequencies that you won't divulge to us; with the excuses that it may be illegal; that it would contribute to crime, or that there is no need for us to know them anyhow.

If it were illegal they wouldn't be found so readily elsewhere, such as in other scanner publications, or on micro-fiche; or if they were that sensitive, they wouldn't be used widely by the Government anyway, unless they were scrambled or otherwise unreadable by the scanning public.

Please, either print this information, or else list places or publications in which they can be found, or refrain from constantly reminding everyone who is a member of your otherwise fine organization, that you know all this but refuse to tell us. We look forward to this monthly treat for info and freqs, not to be infuriated by information about non-information and flimsy excuses for withholding the same.

Ray Chafee(CA-SD-022)

To the Editor:

When are we consumers (you know, the people with the bucks) going to get smart enough and mad enough at these radio manufacturers who advertise that they have built a "clock" into their SW, UHF and VHF recievers to tell them that we don't consider it a "clock" unless it tells 24 hour time. I am Damn mad and I'm not going to take it any more !! No one of us should consider another purchase if it has an AM-PM clock.

Phil Lavette (CO-022)

To the Editor:

RCMA is a major force in the monitoring world, and is one of many reasons I joined in 1979. But in the intervening years the club and its newsletter have changed their goals and viewpoints on certain forms of monitoring.

I do not believe censorship in any form is in the best interest of the membership.

I also must point out, RCMA has ALWAYS been oriented toward the membership and listeners in California, rather than the nation as a whole. This is not welcome by myself or other members here in Florida.

For these, and other reasons, I am allowing my membership in RCMA to expire with no intention of renewal.

Respectfully,
Mark A. Cobbeldick

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

For an annual subscription to the ANARC Newsletter, send $5 to:
Joe Barr, 1500 Bunbury Drive, Whittier, CA 90601. ($8 overseas subscription.)

Three clubs have been elected to ANARC

International DXers Club of San Diego — Full Member Status
1826 Cypress street
San Diego, CA 91254

HAP * USA (Handicapped Aid Program) — Full Member Status
Route 4, Box 32
Rolla, MO 65401

The Association of Clandestine Enthusiasts — Associate Status
P.O. Box 452
Morehead, MN 56560

A New ANARC Committee to study the possible impact on reception of the U.S. Over-The-Horizon backscatter radar systems. The committee to be chaired by Robert Horvitz --RCMA Under 30Mhz Editor.

ANARC 1983 Convention will be held in Washington DC
Contact Washington Area DXers Association
606 Forest Glenn Road
Silver Springs, MD 20901

New ANARC Executive Secretary is

Terry Colgan (512) 451-5897 evenings
8120 Ripplewood Drive
Austin, TX 78758

BELOW 30 MHZ

Robert Horvitz, editor

This column is for AM, SSB, RTTY, CW & FAX reception reports, explanatory notes, articles, news & questions related to HF utilities. Services covered in this column include civilian aeronautical, coastal/marine, government, military, weather, etc. – essentially everything except broadcasting, CB & amateur radio. Send to: Robert Horvitz, 54 East Manning St., Providence, RI 02906
If you need a reception report form, please enclose a SASE with your request.

Last February, I mentioned that Collins/Rockwell had produced a monumental study of HF use for the US Army. One volume of it has proven to be particularly interesting: Technical Task Report 3.2a: Evaluation of Present HF Equipment by Calvin H. Cerva, sold by NTIS, 5285 Port Royal Rd., Springfield, VA 22161, as AD-B053 115/2 for $18 on paper, $4 on microfiche. This is a 206-page review of present-day HF eqpt use and near-term plans for not only the Army, but the Navy, Marines, Air Force, and the various MARS affiliates as well. A vast array of eqpt is discussed in detail, focussing on problems in operation and maintenance. As older stuff is likely to be entering the surplus market, this report may help identify what's worth looking for, and what isn't. In the meantime, here are excerpts concerning

SAC's HF Modernization

"The major AF [Air Force] program today is SCOPE SIGNAL. It is a five phase pro-

gram to provide the AF worldwide HF coverage to its strategic forces [using SSB communication]... SCOPE SIGNAL will replace the SAC Giant Talk network... The command posts will be located at McClellan AFB, Offutt AFB, and Andrews AFB. These command posts act as gateway stations for connectivity to Yakuta AB, Clark AB, March AFB, Elmendorf Station, Thule AB, Croughton AB and Mid-East Stations. Other phases of SCOPE SIGNAL will consolidate, colocate and replace AF ground stations in the Pacific, Europe and CONUS.

"The network is designed so that under the direction of a single ALERT Panel Command, up to 12 transmitters at 12 worldwide stations can be seized within 30 seconds and voice transmission of Emergency Action Messages (EAM) from National Command Authorities (NCA) to SAC airborne forces can be initiated. The network interfaces with AUTOVON/DCS [Defense Communications System] and utilizes dual tone multiple frequency (DTMF) signaling for control and interconnection of assets.

"Each SCOPE SIGNAL Station is equipped with four-channel independent sideband receivers and exciters and 10 KW linear power amplifiers. All stations are identical in design and equipped for a maximum of 12 levels of HF equipment. All levels of equipment are directly accessible through 200-line digital electronic switch (PBX) at each individual station. The major components of a typical station in the CONUS network include: the pre-programmed ALERT Panel at the designated Command Post for initiating the special signaling Alert functions; the electronic switch; local control facilities; HF radios; RF switching equipment; and extensive diagnostic equipments.

"Three operator consoles (expandable to 5) at each station are equipped to allow remote control of all radio equipment and monitoring the status of each transmitter and receiver. The operators also perform audio patching of transmitters and receivers for subscribers, by selecting appropriate conference bridges... Distributed commercial microprocessors with high reliability were selected to perform the functions of BITE [built-in test equipment] and remote control..."

SCOPE SIGNAL receivers are the Collins HF-8054/54A, which tune from .25 to 29.999 MHz in 10-Hz steps (1-Hz steps optional), and can receive ISB (A3A, A3J, A3B, A9B); AM (A3, A3H); and CW (A1, A2). For sending, there are HF-8014/14A exciters, also made by Collins, which tune from 1.6 to 29.9999 MHz in 100-Hz steps (10-Hz and 1-Hz steps optional), and the Collins HF-8022 10-KW Linear Power Amplifiers. The latter weigh in at 1660 lb. each, and measure 46"W x 69"H x 25"D (without trim).

An excellent article by Chuck Smith describing pre-SCOPE SIGNAL SAC radio appeared in the January 1981 issue of our Newsletter. In the August "Utility Scene" column in SPEEDX, Robert Lewellyn reported a possible new frequency for SAC Foxtrot b'casts: 11.000 MHz, heard at 1520Z. Ferrell's Confidential Frequency List (5th ed.) identifies 5.700, 8.101 & 11.243 as part of the Giant Talk network.

If space permits, I'll excerpt other parts of Cerva's study in future months.

Thanks to a timely call from Bill Blomgren (IL-020), I was able to catch Mexican Air Force One on 13.215 early in October, sending a message in Spanish to Pres. Reagan via Andrews AFB. Thanks for an extraordinary tip, Bill!

Greg Shepherd (IL-190) wrote to ask: "What has happened to the net on 7527 kHz? I have not heard a thing in quite some time... I have listened to 7527 for hours with very exciting things unfolding right in my headphones. Have they moved or just quit operating on HF?" Any clues, readers? I hear nothing there either.

Tom Harrington sent literature about an advanced CW/RTTY decoder, the Universal M-600, which apparently is the result of collaboration between his Universal Electronics and Info-Tech. His cover letter says it will be available only thru Universal (1280 Aida Drive, Reynoldsburg, OH 43068), but the Sept/Oct Monitoring Times says that Grove Enterprises will be selling it, too. Truly a sophisticated gadget, it somewhat resembles the Info-Tech M-200F with a reworked control panel and more microprocessor magic. It's claimed to decode "any combination of bit inversion being used for security", as well as "the TOR [Teleprinter Over Radio] systems covering the ARQ mode, FEC mode and others, plus the standard Baudot, ASCII, and Morse (CW) codes." ASCII baud rates: 110, 150, 300, 600 & 1200. Baudot w.p.m. rates: 60, 66, 75, 100 & 132. Video output in four switch-selectable formats: 36 or 72 characters per line, 16 or 25 lines. There is a "screen print" feature for capturing messages in hardcopy, and the specs say "the M-600 will drive almost any printer available at any of the input modes." It has "a continuously variable shift capability over a wide frequency range" to allow copying of "many non-standard shifts being used as security mode". The standard shifts of 170, 425 & 850 are selectable by means of a key pad. The key pad also controls the video font selection, which includes the ASCII standard and weather box fonts, the latter for copying weather text. The unit measures 3½"H x 16-3/8"W x 10-3/4"D and weighs 9 lb (12 lb shipping). Cost is about $800, with a 6 month warranty. Harrington's letter says the first 50 units will be ready Oct 1, but cautions, "Beyond these 50 units, we expect there will be long waits on deliveries." Anyone who gets one: please review it for us.

Last July, I asked for information about Japan's nationwide police HF network. The answer came in a paperback whose title, translated from Japanese, is the 1982 Dial Guide. Published annually by Sansai Books, Sanwa Building, Hacho-Bori 1-13-2, Chuo-ku, Tokyo, who sell it for 1,900 yen (a bit over US$7). Very slick elegant design. Focus is on Japanese utilities, with coverage extending all the way from VLF up to EHF! Ads are primarily for VHF/UHF scanners—some familiar (Bearcat 220, JIL SX-200), but many not. 328 pages—about half as thick as the World Radio-TV Handbook, which it vaguely resembles. But before you stuff your yen in an envelope, bear in mind that the Dial Guide is entirely in Japanese. I prevailed on a Japanese acquaintance to spend an hour going thru the book with me. He found the police channels (above), but his English was limited and he didn't know radio jargon in either Japanese or English. If I can find a better translator (HELP!), you'll be seeing lots more from Dial Guide. There are 100s of HF listings —not to mention 1000s of frequencies in other bands.

《全国地域用》

kHz		
2492.5	50	警察／警察陸上移動局用
2492.5	100	警察／警察基地局用
5325	100	警察／警察庁
5465	100	警察／警察庁

By the way, if you think this column doesn't publish enough frequency information, S E N D M E S O M E yourself!

NSA Seal (encrypted version)

Finally, if you're into monitoring (& if you're not, why are you reading this?), you'll love The Puzzle Palace: A Report on NSA, America's Most Secret Agency by James Bamford, $16.95 from Houghton Mifflin, 465 pages, 1982. Mindbogglingly revealing, Bamford describes NSA SIGINT, monitoring, decoding operations around the world: "Sitting in front of their receivers, the collection specialists first check out their assigned targets on the latest TEXTA, a computer-generated digest of up-to-the-minute intelligence collected from nearly every communications facility in the world. Published by NSA and known as the bible of the SIGINT community, it stands for technical extracts of traffic, and gives the intercept operator such vital information as how, what, and to whom each transmitting station communicates. Next, they go over lists of likely locations, frequencies, and the call signs that may be used. Finally, they reach up to the frequency dial and 'roll onto' their target..." Bamford's writing is vivid, laced with details from interviews, his own observations (Newsweek says he "worked as a clerk for the naval security group, which operates many of NSA's listening posts"), and a close reading of the NSA Newsletter published for employees and their families. This is an awesome piece of research—hampered a bit by the govt's reclassification of some embarassing source material (noted here in Sept). If you haven't picked a Christmas gift for your favorite monitor yet, consider this book.

Since we're trying to cut back on Newsletter size, I'll end here. CU in 1983!

Business, Etc.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufactureers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Larry Smith, 1223 Vinsetta Blvd., Royal Oak, MI 48067.

WELCOME TO ANOTHER BUSINESS & ETC. COLUMN. THIS MONTH WE HAVE MATERIAL SENT IN FROM ED [CA-RI-013]; TOM [MI-038]; DAVE [OH-076] WHICH WILL BE RUN AS IT WAS RECEIVED; RICK [NJ-001] WHICH WILL ALSO BE RUN AS RECEIVED; MARVIN [MI-067] NOW RESIDING IN OKLAHOMA.

FIRST FROM ED [CA-RI-013]: THE RIVERSIDE, CA TRANSIT AUTHORITY:

452.425	CITY BUSES
452.650	DIAL-A-RIDE
452.750	DIAL-A-RIDE

FROM TOM [MI-038] COMES A POT-POURRI OF LISTINGS FROM HIS AREA OF S. W. MICHIGAN:

153.230	KGB614	UPJOHN CO.	BM
151.925	KRM268	J. L. HUDSON CO.	BM
150.830	KF9373	TERRY'S ROAD SERVICE	BM

154.980	KDA377	KALAMAZOO PUBLIC WORKS	BM
155.220	KGU759	KALAMAZOO STATE HOSPITAL	BM
152.270	KGA621	KALAMAZOO TAXI CO.	B
157.530	KGA621	KALAMAZOO TAXI CO.	M
166.250	KGJ637	WKZO T.V. NEWS	BM
463.675	KZF537	FETZER CABLEVISION	BM
464.925	WGK200	MAPLE HILL MALL	BM
151/865	KBJ737	CHARLES SECURITY SERV.	BM
151.925	KNAC444	KALAMAZOO HILTON INN	BM

FROM MARVIN [MI-067] NOW RESIDING IN OKLAHOME:

155.490	OKLAHOMA STATE PARKS
151.450	OKLA. FISH & GAME [N.E.]
151.390	OKLA. FISH & GAME [N.E.]
463.325	METRO WRECKER
153.965	OKLA. CITY HOUSING AUTH.
462.650	"WEATHER WATCH" TEAM
450.750	WKY RADIO
170.150	KOCO-TV CH. 5
450.550	KWTV CH. 9
161.730	KTOK RADIO
161.670	KEBC RADIO
161.700	KEBC RADIO
161.730	KEBC RADIO
450.150	KEBC RADIO
455.350	KTVY CH. 4 F1 DISPATCH
455.050	KTVY CH. 4 F2 MICROWAVE
450.4875	CHANNEL 43 F1
455.4875	CHANNEL 43 F2

[Ed. Note:] SOME OF THE MATERIAL SENT DOES NOT GO IN THE BUSINESS COLUMN, BUT WILL FORWARD IT TO THE RIGHT EDITOR[S] MARV.

FROM RICK [NJ-001] HE SENDS A BEAUTIFUL LIST INCLUDING A COUPLE FREQ'S FOR THE FILMING OF "THE AMITYVILLE HORROR" WHICH WE CAN ADD TO OUR MOTION PICTURE FILES. THANKS MUCH RICK. A THANKS ALSO TO DAN [PA-005] FOR HIS HELP ON THIS LIST.

The film crew for"Amityville- The Possession" which is the next in line after "The Amityville Horror" was down here at St. Peter's Church in Point Pleasant Beach this past winter filming for a couple of days. This is the same church that they used in the other film. They were also back at the house which is located in Toms River NJ- about 8 miles from here. Radio comms were heard on the following:

Film Company was CINE MOBILE
Frequency 1- 173.225
2- 173.275

LAST BUT NOT LEAST IS A "NEAT AND WELL PREPARED" LIST FROM DAVE [OH-076]. I AGREE OHIO DOESN'T APPEAR TOO OFTEN HERE AND IT COULD BE AN OVER-SIGHT ON MY PART BUT WILL TRY TO INCLUDE OHIO LISTINGS WHEN RECEIVED. THANKS DAVE!

A MONITORING TIP FOR THIS TIME AROUND: WINTER, BEING AROUND THE CORNER AGAIN AND PROBABLY HERE BY THE TIME THIS COLUMN IS RECEIVED BY ALL, MEANS "ROAD COMMISSION" TIME. MANY OF US IN THE NORTHERN HALF OF THE COUNTRY THAT GET SNOW-BOUND AT TIMES OFTEN FORGET TO LISTEN IN ON THIS MOST INTERESTING AND HARD WORKING SERVICE. SINCE IT IS ALMOST IMPOSSIBLE TO COVER EACH AREA OF THE COUNTRY WHERE OUR MEMBERS LIVE TO HELP THEM WITH THEIR OWN INDIVIDUAL LISTINGS, THE FOLLOWING FREQUENCIES ARE USED FOR NATIONWIDE ALLOCATIONS IN MOST AREAS. THE "COUNTY" ROAD COMMISSIONS IN HI-VHF ARE: 151.01; 151.040; 151.055; 156.105; 156.135; 156.165; 156.195; 159.180; 159.870 AND A SCATTERING ON 161.790. FOR "STATE" ROAD COMMISSIONS [OPERATED THROUGH YOUR STATE] ARE GENERALLY FOUND ON 151.085; 151.115 AND 156.085.

THERE MAY BE OTHERS NOT LISTED HERE, SO BY CHECKING THE BACK SECTION OF "POLICE-CALL" WILL GIVE YOU OTHER ALLOCATIONS NOT LISTED HERE. SOME STATES [ESPECIALLY HILLY AND MOUNTAIN AREAS] PREFER TO USE LO-VHF IN THE 37.00 MHZ RANGE, FOR EXTENDED COVERAGE. IN THE LAST COUPLE YEARS I HAVE COVERED ROAD COMMISSIONS FOR MICHIGAN AND SCATTERINGS OF OTHER AREAS. HOW ABOUT DETAILED LISTINGS FROM YOUR AREAS FOR THOSE THAT MAY BE TRAVELING YOUR WAY AND IN NEED OF CURRENT ROAD INFORMATION DURING THE COLD WINTER MONTHS?

REGARDS,

LARRY [MI-001]

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:
Robert Berezowski, 5832 Dalhousie Drive NW, Calgary, Alberta T3A 1T1 Canada.

Welcome to this month's Canada column. Your editor has just survived the first three weeks of second year engineering. A lot of old aquaintances, and new ones. Not much can beat the academic life. Mechanics, thermodynamics, derivatives, differentials, and of course Lady Godiva, top the list of necessary vocabulary. As a matter of interest, this years Lady Godiva ride was organized by the Chemical Engineers. Of course all the Artsies thought it was sexist, and the female engineering students were ashamed to be associated with a faculty that puts on such a stunt. The official University statement on the event was that it was cancelled. They forgot to watch the six-o-clock news. Now, to the business at hand. I have received quite a few letters with information on a variety of topics.

The first comes from Bruce (CAN-019). He has some updated, and confirmed data on the Toronto Fire Dept. The information comes from the Dept. itself. Below is a list of the frequencies:

Toronto City Fire Dept.

414.7625R	Dispatch 1
415.3125R	Dispatch 2
411.9875R	Operations
412.8125R	(Repeats Fire Marshall 154.070)
416.7875	Tac 1 (Input to Tac 2)
411.7875R	Tac 2
416.8625	Tac 3 (Input to Tac 4)
411.8625R	Tac 4
412.3125S	Supervisors

Bruce also gave some details on their channel usage. Trucks are dispatched on the Dispatch frequencies. The radio transmission consists of tones, followed by a voice announcement of the incident. The tones activate the PA speakers in only the selected stations. The other stations will not hear the alarm. Stations acknowledge the alarms on the Dispatch frequencies, and the trucks report on location on the Operations channel. If the alarm could be considered serious, the initial alarm is simultaneously transmitted on the Dispatch frequencies and the Operations channel. This allows stations near the address, but not responding on the first alarm, that they may have to move in to fill in empty stations, or that they may be required for a second or third alarm.

If the incident is serious, i.e. a working fire, the responding units are assigned one of the Tactical channels, either Tac 2 or Tac 4. The Supervisor's channel is simplex and has a range of about ¼ mile. The Officer's radios are equipped with a "Man Down" button which signals both the Dispatcher and the Mobile Communications Center. The Toronto Star had a report on this feature, but I am not sure of the exact date.

Bruce supplied some lists of frequencies for various regions of Ontario. I will be including these lists in the column, sooner

or later. I have previously mentioned in the column the Northern Ontario Ambulance Radio System (NOARS). Bruce passes on that the Sault Ste. Marie ambulances are now operating on 150.485 (repeater output). Bruce says that the range of this repeater was very good. He was 30 miles away, and the signal was still quite good. Thanks for the information Bruce, I am sure quite a few people can use it.

The next two letters come from Windsor. The first comes from Bob (CAN-024). He has sent in a photocopy of three articles that appeared in the Windsor Star. All three are quite long, but I will summarize each one. The first two articles deal with police service in various parts of Essex County. The problem is that there are a large number of small forces in the county. These small forces cannot provide the luxury of specialty units such as detectives, canine, fingerprinting, etc. The articles also discuss problems with communications between forces. Some references to the new OPP system are made, as well as to existing radio services. If anyone is interested in these articles, they appeared in the Windsor Star on Sept. 4, 1982.

The third article appeared in the Windsor Star on Sept. 8, 1982. This one deals with the new ambulance radio system recently installed. This new system will provide for more reliable and more effective communications, especially when out of the vehicle. The article does not provide the new frequencies, but if you will read on, I have been sent the new channels. Thanks for the interesting articles Bob, and I hope to hear from you again soon.

The next letter comes from Dave(CAN-037), who also lives in the Windsor area. He gives the following new frequencies for the Windsor ambulance service:

149.605 (Repeater) Dispatch (149.170 not in use)
155.520 Patch to Hospitals (Ch 2?) (149.410 not in use)

Also he says that CBWT (CBC Ch. 9) are on 163.380.

From Ontario, we now move to Quebec. Ron (CAN-067) sent me a list of frequencies for the Quebec. It is in fact a very good list. Unfortunately, another administrative error occured. Here is the entire list. Ron made the list bilingual, but even if you can't read French, I am sure you can figure it out.

Québec (Ville - City)

Police
R 153.980/155.580
G1 153.920/155.790
G2 154.100/155.400
E1 153.830/155.850
E2 154.190/155.130
PS 154.710
FS 154.770
F 153.800/155.880

Feu - Fire
1 155.070/154.250
2 154.890/155.520
3 154.980/154.340

Voirie - Public works
1 169.290/169.890
2 169.080/169.590

Réseau Métropolitain
Regional Police Depts
167.880/171.600
MP Base Valcartier 173.250

LEVIS
Police 417.987/412.987
Feu - Fire 413.512
Voirie - Public works
169.440

LAUZON
Police 417.387/412.387

ST ROMUALD
Police 159.210/154.650
Feu - Fire & Voirie - Public works
155.040

CHARNY
Police 159.060/154.130
Voirie - Public works 168.780

Charlesbourg
Police 417.112/412.112
417.812/412.812
Feu - Fire 155.730/154.830
Voirie - PW 169.050/169.740

STE FOY

Police & Feu – Fire ←

1	
2	417.312/412.312
3	417.912/412.912
4	413.312

Voirie – Public works

1	164.850/169.110
2	167.790/169.530

BEAUPORT

Police & Feu – Fire

1	151.205/155.280
2	151.355/155.610

Voirie – Public works
165.300/169.740

VANIER

Police & Feu – Fire
159.090

Voirie – Public works
169.170

SILLERY

Police & Feu – Fire
155.970

Voirie – Public works
410.037

ANCIENNE LORETTE

Police & Feu – Fire
151.145

Voirie – Public works
169.350

LORETTEVILLE

Police
417.962/412.962

Feu – Fire
413.487

Voirie – Public works
151.235

PORT DE QUEBEC-HARBOUR

Police 155.940

Voirie Public works
167.610

Protection Civil
148.685/149.495 (Province)(wide)
149.525
149.470
149.410
148.810
148.655
148.750
148.780
148.720

Marine	canal	
Control secteur	11	156.550 (Quebec Sector & west.)
Ctl sec Est	12	156.600 (East of Quebec Sector)
travail (working ch)	6	156.300 } Tugs-ship to ship and/or pilots gabbing ch.
" "	10	156.500 }
Urgence (Emergency)	16	156.800
Soc Traversier. (ferries)	7	156.350
Remorqueur (Tugs)	18	156.900 (Tug Company)
DOT	19	156.950 (Ice Brakers)
"	69	156.475 " "
téléphone marine	24	157.200/161.800
" "	26	157.300/161.900
Avis – Météo weather	21	161.650

Station Radio

CFLS	153.290
CJRP	152.930
CHRC	153.230
CKCV	153.350

Journal de Québec
164.490/168.510
Journal le Soleil ?

Radio Canada 149.620
170.150

Ambulance

Lépine & Cloutier	158.760
Bouchard & Fils	163.500/167.160
2000	164.550/168.570

Télé Médic 166.170/ 170.100

Remorqueur (tow trucks)

Club Auto	166.020
Pouliot & Beaulieu	157.710
Bélanger	451.500/456.512

TAXI

Loretteville	157.530
Lévis	150.875
Beauport	150.905
Charlesbourg	164.310
COOP Ste foy	162.150/162.820
Coop Québec	162.480/150.845
Coop Québec	163.140/151.025

AEROPORT

Arr dept	120.300
Tour – tower	119.500
Sol – groung	121.900
Esso	122.900
Shell	123.000
Québec air	460.625/465.637
Air Canada	460.700
Sécurité GRC RCMP	139.980

CTCUQ (Bus) 138.765/142.755

U de Laval sécurité 159.300
Donnaconna Police ? /158.970

Hydro Québec
153.680/158.280
153.410/158.400
150.700/151.445
138.075/142.065
153.590s

Voirie Provinciale (Provincial Public Works)
163.65/168.990
165.420/169.830(rive sud)

Sureté du Québec	Provincial Police	
Québec Métro	9	172.200/167.010
Quartier Général (H Q)	6	171.210/166.680
St Romuald (Rive Sud)	8	172.080/166.830 (South Shore)
	A	
	B	
	C	

GRC RCMP	Bell Canada
139.710	166.050/170.340
139.740	166.320/170.550
139.800	Service routier du Bell (Mobile Phone)
139.890	157.800/152.540
140.310	157.890/152.630
140.130	157.980/152.720
140.370	158.070/152.810
140.670	
140.730	Garde chasse (Forest Rangers)
140.760	171.390/171.960
140.400	? /172.050
139.830	

A few footnotes go with the above list. The arrows indicate new frequencies. The list was dated May 1982. Ron (CAN-067) asks that any changes, errors, or additions to the list be sent to him.

Guy (CAN-031) has also sent along a note saying that the DOC colour chart for frequency allocations in Canada. This chart is about 60 cm X 90 cm, and reflects the new allocations from WARC 79. The chart is bilingual, and sells for $2.50 ($3.00 outside Canada). They can be obtained from the Dept. of Supply and Services, 45 Sacre Coeur Boulevard, Hull, Quebec K1A 0S7. (Tel. 819-994-3475) Ask for the publication "Spectrum Allocations in Canada" Catalogue # C022-33/1982.

I'm afraid that's all for this month. I promise I'll have more next month, workload permitting of course. I have been told that I have an easy term this semester, and that I will get bombed next term. It sure blows your confidence when you're having trouble with the "easy" stuff. Keep the letters coming in. Any information will be appreciated. I am also looking for any more new ambulance frequencies for the NOARS in Ontario. With that I shall close and wish you all the best until next month.

Two items of interest from John CAOR078

Contributed by a student of CAOR078 is a button punching sequence that will get a BC 100 to give display frequencies that are out of band but so far CAOR078 has had no reception on the frequencies displayed. This could be because his BC 100 is a very early one.

<manual> 49 <limit> 50 <limit> <search> <hold> <manual> 138 <limit> 137 <limit> *** <search> <hold> <limit> <hold> <.> <enter> *** <search>

Where the *** appear you will have an 'error' display. By repeating the last four <hold> <.> <enter> <search> you should go from above 50mhz to above 318 mhz.

For below 406 mhz the sequence below is supposed to work.

<manual> 30 <limit> 31 <limit> <search> <hold> <manual> 406 <limit> 405 <limit> *** <search> <hold> <limit>

CAOR078 reports having a TV,FM to AM converter purchased from J.C.Whitney for $25 + postage. The unit will downconvert to 1400khz AM any FM frequencies from two ranges TV chan 2 to top FM dial and US Weather to TV channel 13. The last range 162.55 to 215.57 mhz contains some frequencies that are most interesting. The tuner is analog, so you can't really identify the frequency, but the listening is interesting.

contact / info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make known your interests. Remember – those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address. Write to:

Amy Polivka, 12906 Ohio Circle, Omaha, NE 68164

KENTUCKY INFO NEEDED: Member needs frequencies that Rough River Lake, at Falls of Rough, Kentucky, use for communications to repeater in Elizabethtown, Kentucky and Louisville District. Also would like frequencies used for local use, such as the watercraft patrol, mobile rangers, and gatehouses. (9-18-82)
GERALD BICKING (OH-105), 4448 Navajo Trail, Jamestown, OH 45335

SCANNER NEEDED: A 16-20 channel crystal controlled scanner for mobile use in the state of Michigan. Will pay up to $200 for a used scanner with this capability. Will pay more for a new scanner with the same capability. No crystals desired in purchase price.

ALSO--MONITORING NEEDED: Persons in various locales to monitor railroad radio frequencies to determine activity and the nature of the use of each channel. Two articles appeared in RCMA magazine concerning the use of radio channels for the railroads which should help persons unfamiliar with railroad lingo to grasp what each channel is being used for. Please contact me at the address below for frequency information for your area. (9-22-82)
GARY L. STURM (IN-045), Railroad Editor, 48781 Denton Rd., #37 // Belleville, MI 48111

CONTACT WANTED: A senior citizen member would like to correspond with anyone interested in scanning and not just those "sensitive freqs". He does not have any microfiche and is interested in everything you can hear on the scanner above 30 Mhz. Would enjoy belonging to any other scanner clubs. (9-28-82)
JAMES L. CAVANAGH (IL-060), 18 E. Heron Dr., Palatine, IL 60067 // 312-991-1562, No collect calls please

NEW JERSEY INFO WANTED: Frequencies of New Jersey State Police in the northern section of the state (especially of patrols that ride from Delaware Water Gap, route 80 to George Washington Bridge). Also police codes of Passaic Police Department. Will pay for copies and extra postage. (9-29-82)
DENNIS RUDA (NY-057), 42 Harry L Dr. Johnson City, NY 13790

Calling the following NJ members - Please contact me immediately! Very Urgent! NJ-017; NJ-025; NJ-028; NJ-036; NJ-036; NJ-039; NJ-042; NJ-056; NJ-058; NJ-059; NJ-061; NJ-074; NJ-096; NJ-115; NJ-140; NJ-147. Tony Loving, NJ-005, P.O. Box 741, Ridgewood, NJ 07451-0741. Telephone (201)885-3754 days, (201)652-5252 evenings. Don't hesitate!

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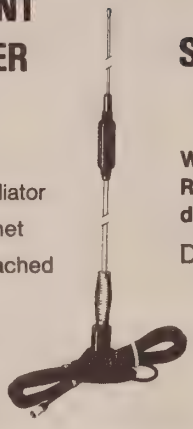

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FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The FCC has finally released the last 250 channel pairs in the 806-821/851-866 mHz bands that had been held in reserve all these years. They are also allowing a number of new system configurations and made some changes in the licensing procedures. And, because agreements had been reached earlier this year with the governments of Canada and Mexico, use of 851 frequencies is now allowed for the first time in many areas bordering these countries. First, a little history of the 800 mHz band.

The Commission reallocated the 806 to 947 mHz band from the Broadcast and other services to Land Mobile use in 1968. It was their belief that this was the only practical new spectrum available for future land mobile requirements. TV translaters in the 806 to 890 mHz band (low power transmitters that relay local TV stations in fringe areas) were allowed continued operation on a secondary basis. The band from 942 to 952 mHz had been allocated for FM broadcast studio-to-transmitter (STL) links. Half of it (942-947) was reallocated. Interestingly, now that there is a shortage of STL frequencies, they are talking about sharing in the 2.1 GHz band, which is already heavily used. The 942-947 band is still being held in reserve for future land mobile use. I guess the moral here is you can't go back.

In 1974 specific allocations were made. 40 mHz of spectrum was to be allocated for high-capacity (cellular) mobile telephone service. 30 mHz was allocated to private land mobile use. And another 45 mHz of spectrum was to be held in reserve for future expansion. The land mobile channels were from 851.0125 through 865.9875 for base stations, with 25 kHz spacing between channels. Mobile channels were 45 mHz lower, from 806.0125-820.9875, a total of 600 channel-pairs. Channels were to be assigned sequentially, starting at the low end of the band. The Commission was convinced that "trunking" would be much more efficient than conventional technology. In a trunked system channels are assigned in groups of five and a users receiver is automatically tuned to a vacant channel, unless that unit is being called. Many more mobiles can be accomodated in trunked systems and rarely will they encounter a "busy" channel. Channels for trunked systems are assigned sequentially from the upper end of the band, with 1 mHz spacing. To encourage this new technology, of the first 300 channel pairs made available in 1976, 200 were for trunked systems and 100 for conventional systems.

At this time the Commission also created the Specialized Mobile Radio System (SMRS) concept. SMRS's are radio dealers who provide equipment and communications services on a for-profit basis, much like a common carrier. It was believed that SMRS's would be willing to assume the risks of building the expensive 800 mHz systems and thereby encourage their growth. Emphasizing the quality of service at 800 mHz, the FCC set maximum channel loading standards and strict co-channel mileage separation between stations. A user could have exclusive use of a channel is he loaded it to 70% of its loading standard.

By early 1978 all 100 of the conventional channels were assigned in the major metropolitan areas. So in August of that year 50 of the reserved channels were released for conventional systems. In 1979 the loading standards were increased in the major urban areas, to allow (or require) a greater maximum number of users per channel. Trunked systems weren't actively marketed until 1978, but by late 1979 there were shortages of both trunked and conventional channels in the largest urban centers and waiting lists had developed. Currently, there are no trunked or conventional channels available for assignment in New York, Chicago or LA and no trunked channels in

Washington, San Francisco, Houston, Dallas, Atlanta, Miami, Phoenix or Tampa. The majority of the channels assigned are to licensees in the Business Radio Service and to SMRS's.

In releasing the remaining 250 channel-pairs, the Commission has decided to go back to something like the old "block" allocation method, where certain channels are reserved for certain services. (800 mHz channels had been assigned sequentially, to any service.) But instead of individual services, the channels will be divided into four broad classifications or "pools". 50 channels will be assigned to licensees in any of the Land Transportation or Industrial services, except the Business Radio Service. 80 channels will be for SMRS's. 50 will be for users in the Business Radio Service. And 70 will be for the Public Safety and Special Emergency radio services. This will enable users in all services equal access to 800 mHz frequencies. These are more channels than were proposed last year for SMRS's (and less for the Industrial pool), but the greatest increase in applications in the last year has been for trunked SMR systems. As temporarily implemented last year, "slow growth" systems in the Public Safety and Industrial services will be allowed extra time to implement a system. These would be your local governments, or private utility systems, large systems that require time to fund and implement. (Other applicants have eight months to complete construction of a system after being licensed (one year for a trunked system).) After 18 months, sharing will be allowed between pools (except for the SMR pool). If no channels are available in his own pool, an applicant may request an unassigned channel in another pool or may share a channel in another pool with a "compatible" user.

None of the 250 new channels will be designated for either trunked or conventional use. The user will be able to select either mode. And, the Commission elected not to change the rule that limits a licensee to five conventional channels. They had considered requiring trunking if more than two channels were required. The channel loading rules were changed for conventional systems, to a flat 70 mobile units per channel in all services, whether shared or not. This limit may be exceeded, even by users of a shared channel, and without the other users consent. This change applies to systems on the previously assigned channels as well. The loading standards for trunked systems will remain pretty much the same. What changes that were made will not apply to existing systems until 1987. An applicant for a trunked system may now only apply for five channels at a time. (Before, an applicant could apply for 5, 10 or 20 channels.) And a system must be loaded within three years of authorization, instead of the present five.

Manufacturers of radio equipment will now be allowed to offer trunked SMR service. Previously they had only been allowed to operate one system nationwide, this to protect the independent radio dealers and smaller SMRS operators.

This article will be concluded in next month's column - Editor

FEDERAL GOV'T and ★ MILITARY ★

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:
Dennis Biagioli, 607 W. Pleasant Ave., Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Hi! Welcome to the first of several installments devoted to the U.S. Army Corps of Engineers. Many members listened to their local Engineers and sent along the results of their searching. Others took matters a bit further and made personal contacts. Still others

managed to get hold of what appear to be official lists and literature. The results will be published over the next several months. But, if you have something to contribute, don't hesitate, send it along right away. Still time to get into the final installment.

DAVID NUGENT (IN-002) sent along this detailed information.

LOUISVILLE DISTRICT RADIO SYSTEM

BASE STATION CONFIGURATION

PROJECT	RF FREQUENCIES (MHZ) TRANS. FREQ.	REC. FREQ.
OHIO RIVER		
Markland L&D	F1-163.025 F2-163.4125	163.5125 163.4125
McAlpine L&D 591	F1-163.025 F2-163.4125	163.5125 163.4125
Cannelton L&D 592	F1-163.025 F2-163.4125	163.5125 163.4125
Newburgh L&D 593	F1-163.025 F2-163.4125	163.5125 163.4125
Uniontown L&D 594	F1-163.025 F2-163.4125	163.5125 163.4125
(Existing Equipment) Smithland L&D (For Ref. only)	F1-163.025 F2-163.4125	163.5125 163.4125
L&D 50	F1-163.025 F2-163.4125	163.5125 163.4125
L&D 51	F1-163.025 F2-163.4125	163.5125 162.4125
L&D 52	F1-163.025 F2-163.4125	163.5125 163.4125
L&D 53	F1-163.025 F2-163.4125	163.5125 163.4125
GREEN RIVER		
Lock 1	F1-163.025 F2-163.4125	163.5125 163.4125
Lock 2	F1-163.025 F2-163.4125	163.5125 163.4125
Lock 3	F1-163.000 F2-163.4125	163.4125 163.5125
KENTUCKY RIVER		
Lock 1	F1-163.000 F2-163.4125	163.4125 163.5125
Lock 2	F1-163.000 F2-163.4125	163.4125 163.025
Lock 3	F1-163.000 F2-163.4125	163.4125 163.025
Lock 4	F1-163.000 F2-163.4125	163.4125 163.025
Lock 5	F1-163.000 F2-163.4125	163.4125 163.025
FLOOD CONTROL PROJECTS		
GREEN RIVER AREA		
Green River Area Office	F1-163.000 F2-163.4125	163.4125 163.025
Green River Lake	F1-163.000 F2-163.4125	163.4125 163.025
Nolin River Lake	F1-163.000 F2-163.4125	163.4125 164.025
Barren River Lake	F1-163.000 F2-163.4125	163.4125 163.025
Rough River Lake	F1-163.000 F2-163.4125	163.4125 163.025
MIAMI RIVER AREA		
Miami River Area Office	F1-163.000 F2-163.4375	163.4375 163.025
Caesar Creek	F1-163.000 F2-163.4375	163.4375 163.025
East Fork Lake	F1-163.000 F2-163.025	163.4375 163.025
West Fork Lake	F1-163.000 F2-163.025	163.4375 163.025
C.J. Brown	F1-163.000 F2-163.025	163.4375 163.025
MIDDLE WABASH AREA		
Monroe Lake	F1-163.000 F2-163.4125	163.4375 163.4125
Cagles Mill	F1-163.000 F2-163.4125	163.4375 163.4125
Cecil M. Harden Lake	F1-163.000 F2-163.4125	163.4375 163.4125
Patoka Lake	F1-163.000 F2-163.4125	163.4365 163.4125

UPPER KENTUCKY RIVER AREA

Upper Kentucky River Area Office	F1-163.000 F2-163.4125	163.4125 163.025
Buckhorn Lake	F1-163.000 F2-163.4125	163.4125 163.025
Carr Fork Lake	F1-163.000 F2-163.4125	163.4125 163.025
Cave Run Lake	F1-163.000 F2-163.4125	163.4125 163.025
Taylorsville Lake	F1-163.000 F2-163.4125	163.4125 163.025

UPPER WABASH AREA

Upper Wabash Area Office	F1-163.000 F2-163.4125	163.4125 163.4375
Huntington Lake	F1-163.000 F2-163.4125	163.4125 163.4375
Salamonie Lake	F1-163.000 F2-163.4125	163.4125 163.4375
Mississinewa Lake	F1-163.000 F2-163.4125	163.4125 163.4375
Brookville Lake	F1-163.000 F2-163.4125	163.4125 163.4375

F1: T. 163.4125 Mhz
R. 163.000
F2: T. 163.4375 Mhz
R. 163.000
F3: T. 163.5125 Mhz
R. 163.0250
NOTE:
1st PL Tone = Mobile Repeat
2nd PL Tone = District Office
3rd PL Tone = Log all call
Salamonie C-D-G or 3-4-7 TT 553
Ft. Ben. Harrison A-B-G or 1-2-7 TT 551
C. M. Hardin E-F-H or 5-6-8 TT 513
Brookville E-F-G or 5-6-7 TT 552
C. J. Brown E-F-G or 5-6-7 TT 563
Ceasar Cr. C-D-G or 3-4-7 TT 562
Ft. Thomas A-B-G or 1-2-7 TT 561
Monroe C-D-H or 3-4-8 TT 512
Markland C-D-H or 3-4-8 TT 531
Pekin A-B-H or 1-2-8 TT 511
Hickman Hill A-B-H or 1-2-8 TT 532
Frankfort E-F-G or 5-6-7 TT 521
LOUISVILLE DISTRICT OFFICE
Winchester A-B-G or 1-2-7 TT 522
Cave Run E-F-G or 5-6-7 TT 524
Charles A-B-G or 1-2-7 TT 525
Big Hill C-D-G or 3-4-7 TT 523
Newburg C-D-H or 3-4-8 TT 534
Connelton E-F-H or 5-6-8 TT 533
Harrisburgh A-B-H or 1-2-8 TT 535
Kessinger A-B or 1-2 TT 541
Hazard E-F-G or 5-6-7 TT 526
F1
F2
F3
TOUCH TONE FUNCTIONS:
* PL Disable
0 = Repeater Set Up
# = Decode Reset
(Rptr Knockdown)
(Last Digit)

Thanks Dave. Now, wouldn't it be great to have all the districts nationwide so well defined? Well.....
Until next month.

73's,
Denny

Federal Government/Military continued

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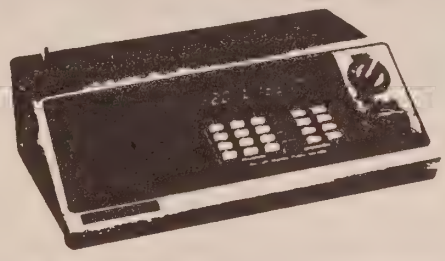
and readout
Write/call RMA for details!



Production will start
Sept., Oct.
Units will be available
Jan. 1, 1983

RMA can modify your BC 220 or BC 20/20 for this coverage.
Modifications will be available Jan. 1, 1983.

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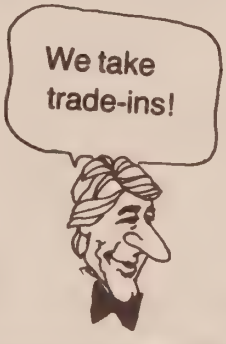
- Amplifiers, signal
- Filters
- 225-400 mhz antennas
- Antenna systems
- Frequency directories



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PAID ADVERTISEMENT

International

Richard Stein, Editor

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Richard Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

This month I'll continue with some excellent listings from Rafael Mirano, our Tijuana Mexico member.

State of Baja California

POLICE:	F-0	151.400		old system	
		151.460		old system	
Downtown area, North	F-1	166.125	(R)	output	169.050 input
East Sectors, La Mesa	F-2	166.300	(R)		169.225
Special Events, Traffic	F-3	166.425	(R)		169.325
West Area, Beaches	F-4	166.525	(R)		169.550
Tactical, Commanders	F-5	166.650	(R)		169.650
FIRE DEPT:		151.400	shared with old Police net		
PUBLIC WORKS (CITY):		151.000			
STATE JUDICIAL POLICE:		31.850	(R)		32.200
		162.050	(R)		162.575
STATE HIGHWAY PATROL:		31.850	shared with Judicial Police		
FEDERAL HIGHWAY POLICE:		154.700			
MEXICAN RED CROSS AMBULANCES:		148.125			
HIGHWAY MAINTENANCE(SAHOP):		167.300	(R)		161.525
LIGHT & POWER CO. (C.F.E.):		163.800	(R)	Statewide system	
		163.875		Local fault location	
B.C. STATE PENITENTIARY:		151.625			
HEALTH SERVICES CENTER(S.S.A.):		151.875			
PUBLIC WORKS (STATE):		148.175			
		148.225	(R)		149.525
WATER DEPARTMENT (C.E.S.P.T.):		160.260	(R)		161.000
WATER RESOURCES DEPT. (SARH):		156.020	(R)		151.675
U.S. CONSULATE GENERAL:		163.575			
ROSARITO BEACH POLICE:		151.400			

to be continued...

As I write this column, the F2 season has already begun. "Shooting Skip" is a fascinating aspect of the hobby and I would encourage all members to try to search out those far away stations and then to make their report to Mike Britt's Low Band Skip Column. Reports to that column should include all low band skip, both foreign and domestic.

ID-ing these foreign stations is always quite a challange. There is no "Police Call" book or NTIS Microfiche for Tucumán province, Argentina, for example. It takes a good ear for message content and accent, some patience and even more luck to make an ID. To confuse the matter even

further are all the unknown repeater inputs which are keyed, either here or at some point outside the U.S., and carry these 'external' signals along with their own. Add all this to low band images, and the situation looks hopeless. Inspite of all the above, there are some serendipitous moments and a good, if not completely solid, ID can be made. And that feels good. Until next month....וחנוכה שמח...שלום

נ|ג|ה|ש

LOW BAND SKIP

Send reports of distant stations received on the 30-50 MHz Band, as well as: information; comments; suggestions; question; and any items of interest regarding Low Band Dxing to:

Mike Britt, 14631 Yorba Street, Tustin, CA 92680.

Greetings!

November and December should once again be the peak months of the winter F_2 skip activity, so tune in the low band and search for Dx while you still have the chance. As I write, the F_2 has been back for only a month, and appears to be following a different pattern than in past winters. Skip is strong for one or two days, followed by one or two days of minimal activity, then another period of strong activity, and so on. The good part is, that, on the days when the F_2 is active, the skip is quite strong! I expect the days of minimal activity will become fewer as we approach the winter peak.

In the month's time which has elapsed since the writing of the November column, there have been major breakthroughs in the identification of those mystery stations which have been heard on 33.475 MHz and 33.675 MHz.

33.475 AND 33.675 ARE SOUTH AMERICAN REPEATER OUTPUTS!!

With the return of the winter F_2, strange transmissions were once again heard on two odd frequencies: 33.475, and 33.675. It has now been determined that these are the output frequencies for two different South American repeaters. Further, it has been established that the input frequencies for these channels are 6 MHz above their respective output frequencies. Traffic from the U.S. police freq. of 39.48 has been heard over 33.475, and traffic from the U.S. police freq. of 39.68 has been heard on 33.675. These police transmissions were in the form of "two-way" skip - skip from the actual 39 MHz PP freq. which was being rebroadcast by the South American repeater on the 33 MHz output freq. It was by identifing the U.S. police traffic that the inputs frequenceies of these channels were identified and confirmed.

A large part of the credit for these findings goes to Chuck Robertson (IL-141), who, like myself, diligently monitored both 33.475 and 33.675 in search of an answer to the mystery surrounding these frequencies. Indeed, it was Chuck who finally was able to confirm that it was traffic from 39.68 that was being heard on 33.675. And, it was from Chuck's cassette recordings of traffic he had heard on 33.475 that I first began to suspect a 39 MHz input for that channel.

Perhaps the best way to explain the facts surrounding these two channels is simply to go in chronological order. First, 33.475:

As I mentioned in the October "Low Band Skip" column, a "constant carrier" signal was received on this frequency last winter. This was when I first became aware of the fact that the transmissions were actually on 33.475, and were only "bleeding" over to 33.48. At this point, I still have no explanation for why this signal was a continuous transmission, with no voice traffic. The last time the constant carrier was heard was when the last winter F_2 faded out in the spring of 1982. So far, no "constant" signal has been heard by myself this winter.

This summer, the frequency of 33.475 produced quite a bit of noise every so often. Chuck described these as "blaring" noises. I best decribed the noises as "electronic static", such as one hears over the output of a repeater circut, when the repeater is being "captured" by an "alien" signal. It turns out that I couldn't have been closer to the truth - that is exactly what I was hearing. In the October column, I said that I had heard some sort of repeater on 33.48. That misinformation came about after George DuBois (OR-001) told me of a repeater he had heard on 33.48.

Knowing that, I concluded that I Must have been hearing the same thing. Never take the easy explanation - it turns out that I was right in the first place, and the noises were (and continue to be) on 33.475.

Although these signals on 33.475 were received over the summer, they were not of the Es skip nature common to the summer months. Rather, the transmissions were of the Transequatorial type of skip, like the 32 and 35 MHz Argentine pagers which were also received over the summer.

In September, when the F_2 skip returned, both Chuck and myself began receiving voice traffic over 33.475. It was quite obvious that a repeater was involved, for the 33.475 signal remained strong, while the "repeated" voice traffic was garbled and broke frequently. At first, it was difficult to make anything of the voice traffic due to the severe distortion. However, by the second week of September, the quality had improved to the point that it became obvious that what was being heard was U.S. law enforcement traffic. The key to finding the input channel then rested on IDing this U.S. PD traffic.

Both Chuck and I made cassette recordings of the 33.475 transmissions. By doing so, the garbled transmissions could be replayed and carefully analyzed for any clues which might lead to the identification of the input frequency. This proved successful, for, after listening to tapes made by both Chuck and myself, I realized that some of the PD traffic was that of the Los Angeles County Sheriff. Familiar terms such as "Hawthorn Blvd.", "PCH"(Pacific Coast Highway), "459"(burglary),"390"(drunk) emerged along with unit IDs of "3-David-31", and "251-Boy"(Lynwood area LACoSo unit). The problem was, which of the 39 MHz freqs used by the LACoSo was I hearing? Because of the nature of the traffic, I knew it had to be one of the tactical freqs. A few more days of listening intently, and I determined that I was hearing "Frequency Charlie", which is 39.48.

It was not until after I had IDed the input of 33.475 that the relationship hit me - 33.48 and 39.48 - exactly 6 MHz apart! If traffic from 33.475(the actual output) could be heard on 33.48, then was it possible that traffic from 39.48 could be bleeding onto 39.475? Perhaps 39.475 was the actual input, and the reason the PD skip was so distorted was that it was being picked up on that freq. rather than the actual 39.48! And what about the 33.675 transmissions - could their origin be that of 39.68? The answers to these questions could only come with more information about 33.675.

Like the skip on 33.475, I had first stumbled upon the 33.675 transmissions last winter. I had heard both English and Spanish, but could not determine if a repeater was involved or not. Unlike 33.475, I did not hear from this station over the summer. However, when the F_2 returned, so did the signals over 33.675. While I was concentrating my efforts on 33.475, Chuck was busy IDing traffic heard on 33.675.

The traffic heard on 33.675 was essentially the same in nature as that on 33.475: obviously "two-way" repeater caused skip, and definitely that of U.S. PDs. On Sept.18, Chuck heard a Spanish conversation over 33.675. The following day, he heard not only Spanish, but the traffic of U.S. law enforcement agencies. Additionally, the repeater stayed keyed for a moment after each transmission, producing a series of six "clicks". Neither Chuck nor I have an explanation for the clicking, or the delay, but it does add to the mystery, somewhat. The PD transmissions were quite garbled at times, a distortion much like the signals heard over 33.475. The Spanish, on the other hand, was of very good quality. This of course would be due to the fact that the Spanish is the "true" traffic from the input, and is received locally in South America by the repeater.

The breakthrough for 33.675 MHz came on October 2. On that day, Chuck was able to copy a telephone number among the U.S. "two-way" signals. Of course, who among us could pass up such an opportunity? As Chuck explained: "I called this person and politely explained my dilemma. She told me the PD involved was Bellaire, Michigan. This explained the references to harbors and fish markets."(heard on one of the recordings made by Chuck). Chuck found that he had been hearing transmissions from Antrim County, Mich., which operates on 39 MHz - one of the channels being 39.68! Conformation of the39.68 input came on Sunday, October 3. Chuck wrote: "I finally got a clear call sign: KAA233; McCook, Nebraska, 39.68 MHz!

I feel certain that the relationship between the channels of these repeaters is more than just a coincidence of numbers. I am not satisfied that the inputs are just 39.48 and 39.68, but rather, I strongly suspect the input freqs. are in reality 39.475 and 39.675. I also beleive it is likely that both of these repeaters are located in the same South American county. If that is true, I think the relationship of these frequencies may represent a definite pattern. This pattern for repeaters would then be :

Input frequency = 39. x75 MHz
Output freq. = 33. x75 MHz

So then, might there be other repeaters, besides these two, which follow the same pattern??? Next month, I will deal with these theories in more depth, and also offer an explanation for the constant carrier signal and the "blare" noise heard on 33.475.

* * * * * *

In addition to those listed in the November column, foreign skip (non-U.S. sta) has been active on these frequencies over the past month here in California:

33.48 French, Quebec, Canada
33.48 English, Ottawa, Ontario, Cana. (Repeater output)
34.23 Spanish
35.32 Spanish, paging, Argentina
35.35 Spanish
35.48(47?)Spanish, mobile phone(AMsig)
35.58 Spanish, IB paging
35.82 French
36.15 Spanish
37.00 Spanish, mobile phone
37.01 Broadcast Audio - unknown
37.46 Spanish
37.62 Spanish, paging, Chile (AM signal)
38.10 Spanish
38.46 Spanish
39.34 Spanish, Santa Barbra, Honduras
39.34 Spanish, Peru
39.64 Spanish
40.06 Spanish

* * * * * *

The response has been good, but please keep sending in information about the Dx that you hear. Send in "skip reports", or simply write an explanation of the skip you receive. This month, I had much more than I could possibly fit in the space I am allowed. Be assured, however, that I will do my best to include your material as soon as possible. Until next month, I wish you all a joyful holiday season, and a very happy new year.

73,

Mike

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Public Safety

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police; sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware and District of Columbia:

Richard Barnett, P.O. Box 428, Newton Highlands, MA 02161.

Hello again from the Northeast where, as it has been reported that we may be in store for the coldest winter of the century, we're all anticipating another terrific season of monitoring . Keep those state, local and county public works frequencies programmed in for highway and traffic conditions along with scheduled weather bulletins. News media and automobile association-towing agencies are important as they can serve as backup intercity channels. Don't forget your utilities as, when the freezing rain begins, there is no more frantic a communications net. Fire action, naturally, is outstanding with an increase in activity and precautionary measures being taken to protect against freezing spray and equipment. And, of course, the police, especially when the snow just begins, offer a wide range of incidents to monitor, most noticeably highway accidents and tie-ups. This is THE MOST EXCITING time of the year for a scanner and with being couped-up inside we can all log a good deal of time in front of the units. If it's still not too cold or icy, hop up on your roof and check your antenna connections. Make sure those pre-amps are all working nicely and your lists of "Winter Weather Frequencies" is completely prepared. Don't pass up the monitoring opportunities, for this is the season that provides all scanner enthusiasts the knowledge and warm feeling that we are a select few who have the capability to listen in on a city or state under (winter weather) siege; we are part of one of the world's most fascinating hobbies.

This month Eric Schnieder from Bethesda, Maryland will begin his sub-column on the District of Columbia and Maryland. I hope all of you in that area will help Eric out with a lot of contributions.

A couple of notes, my Scanner Master Connecticut and Rhode Island Guides (in two volumes -a frequency guide and a code and unit designator guide) will probably be available this month. For information you can write me at the address above. Also, you may be interested in knowing that I've started writing the "Scanner Scene" monthly article in Tom Kneitel's new magazine, Popular Communications. For information write Pop Comm at 76 North Broadway Hicksville, New York 11801. For those of you who will be travelling in the Northeast, the Code 20 directory is especially suited for those who wish to monitor from their vehicles. For information write P.O. Box 4033, Warrington, Florida 32507.

Because it is necessary for us to cut back some these next few months the content set-up will be different for a while.

CONNECTICUT
Department of Transportation -Bureau of Highways

Frequencies: F#1 -47.380 To communicate with stations and mobiles assigned to District One.

F#2 -47.300 To communicate with stations and mobiles assigned to Districts Two, Three and Four.

F#3 -47.320 Radio repair and survey units.

Radio Codes:
10-01 -Emergency statewide or nationally
10-02 -Paychecks are in
10-03 -Test call on radio
10-04 -Message received
10-08 -Auto accident, call police, give town route
10-09 -Storm warning or weather report
10-12 -Clear air, standby for important message
10-14 -Sign on the air
10-15 -Sign off the air, give location and length of time off
10-30 -Violation of radio rules and regulations
10-31 -Radio silence, stop transmitting
10-111-Civil Preparedness Activity

Stations:
Control -Rocky Hill Lab
HQ -Staff Maintenance -Wethersfield
CPHQ -Hartford Armory Civil Preparedness

10 -District #1 Office -Rocky Hill
12 -Wethersfield Maintenance Garage
13 -East Windsor Maintenance Garage
14 -West Willington Maintenance Garage
15 -Southington Maintenance Garage
18 -District #1 -Electrical & Bridge Garage

20 -District #2 Office -Norwich
21 -Putnam Maintenance Garage
23 -Old Saybrook Maintenance Garage
24 -Norwich Maintenance Garage
26 -North Windham Maintenance Garage
27 -Colchester Maintenance Garage

30 -District #3 Office -New Haven
31 -Wallingford Maintenance Garage
32 -Milford Maintenance Garage
33 -Orange Maintenance Garage
34 -New Canaan Maintenance Garage

40 -District #4 Office -New Milford
41 -Winsted Maintenance Garage
42 -Litchfield Maintenance Garage
43 -Danbury Maintenance Garage
44 -Waterbury Maintenance Garage

CH -State Police- Stafford Springs
DH -State Police- Danielson
EH -State Police- Montville
KH -State Police- Colchester
IH -State Police- Bethany
GH -State Police- Westport

Department of Transportation Staff

			Control 19
Commissioner of Trans.	Control 1	Chief Traffic Services	Control 20
Deputy Comr. of Trans.	Control 2	Traffic Signal Section	Control 21
Deputy Comr. Highways	Control 3	Traffic Signal Maintenance	Control 22
Chief Admin. Officer	Control 4	Traffic Signal Maintenance	Control 23
Deputy Comr. Public Trans.	Control 5		Control 24
Deputy Comr. Waterways	Control 6		Control 25
Deputy Comr. Plan-Reaserch	Control 7		Control 26
Deputy Comr. Aeronautics	Control 8		Control 27
Dir. of Communications	Control 9		Control 28
Chief Engineer	Control 10	Maritime Supervisor	Control 29
Dir. of Construction	Control 11		
Dir. of Maintenance	Control 12	Office of Property Control	
Maint. Planning Manager	Control 13		
Maint. Operations Manager	Control 14	Dir. of Property Control	Control 30
	Control 15	Equipment Gen. Supv.	Control 31
	Control 16	Equipment Gen. Supv.	Control 32
Maint. C. P. Coordinator	Control 17	Equipment Gen. Supv.	Control 33
Maint. Equipment Coord.	Control 18	Equipment Gen. Supv.	Control 34

P. C. Operations Officer	Control 35
Equipment Gen. Supv.	Control 36
Asst. Dir. Property Control	Control 37
Equipment Superintendent	Control 38
Chief of Security	Control 39
Locksmith	Control 40

Office of Purchasing and Stores

Materials Storage Supv.	Control 41
Materials Storage Supv.	Control 42
Materials Storage Supv.	Control 43
Materials Storage Supv.	Control 44
Materials Storage Supv.	Control 45

Other Divisions and Agencies

Safety Directory	Control 46
Bureau of Public Transportation	Control 60
State Civil Preparedness Van	CP 18

NOTE: Personnel who do not have an assigne Control Call Number use Control 75 and last Name of Operator.

Radio Communications Section

Supervisor	501
Asst. Supv.	502
Technician	503
Technician	504
Technician	505
Technician	506
Technicain	507

Repair Garage Supervisors

Goff Rd.	Shop 1	2-4140
	Shop 1W	2-3458
East Granby	Shop 2	2-4467
	Shop 2W	2-2534
West Willington	Shop 3	2-4631
	Shop 3W	2-2045
Lisbon	Shop 4	2-4475
	Shop 4W	2-2503
Putnam	Shop 5	2-3828
	Shop 5W	2-2552
Higganum	Shop 6	2-4462
	Shop 6W	2-2664
East Haven	Shop 7	2-4637
	Shop 7W	2-2556
Norwalk	Shop 8	2-4464
	Shop 8W	2-2558
Winsted	Shop 9	2-4797
	Shop 9W	2-4863
Waterbury	Shop 10	2-3577
	Shop 10W	2-2388
Brookfield	Shop 11	2-4778
	Shop 11W	2-3125
Milford	Shop 12	2-4780
	Shop 12W	2-3674
Saybrook	Shop 13	2-4474
	Shop 13W	2-2550
Woolcott Hill Rd.	Shop 14	2-4651
	Shop 14W	2-3538
Goff Rd.	Shop 15	2-3839

Division of Traffic

Traffic Manager	Traffic 1
Chief Traffic Engr.	Traffic 2
Engr. of Traffic	Traffic 3
Engr. of Traffic	Traffic 4
Engr. of Traffic	Traffic 5
Engr. of Traffic	Traffic 6
Traffic Pool Number	Traffic 40

Geodetic Survey Unit

9-18 portables	Survey 1-7

Please see map on facing page for conclusion of 'Connecticut' section.

INTRODUCING.....

Scanning Washington, D.C. and Maryland

Welcome to the first column of Washington D.C. and Maryland - a sub section of the newly revised Public Safety Northeast. My name is Eric Schneider (MD-047) and I will be your host until the information runs out.

Rather than bore you by reintroducing myself, I will refer anyone who is interested in my background to a letter I wrote Richard which was included in the March, 1982 Newsletter (page 56). I live in Montgomery County which borders the District of Columbia on the Northwest side and am most active in monitoring those agencies located in the District, Montgomery County, and Prince George's County (which borders the District on the Northeast/Eastern sides). Now that I have given everyone an unwanted geography lesson, let's get on with it.

First of all, Richard has indicated in a few previous newsletters that all Maryland and D.C. materials should be sent to me at the address he listed. I may be able to respond more quickly if those materials are forwarded to my office address which is as follows:

234 North Washington Street
Rockville, Maryland 20850

CONNECTICUT
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS DISTRICTS
FORM NO. MAINT-80 Revised 7/1/81
F1 47.380 District #1
F2 47.300 Districts #2, 3, 4
F3 47.320 Statewide--
radio repair and
survey units
1
2
3
4

As I am still awaiting input form area members, I will devote this month's column to summarizing that material which has previously been submitted to RCMA since 1980. (I should note that I do not have issues for 1/81, 8/80 11/80, and 12/80, and there may be information contained in those issues about which I am unaware.)

September, 1982: Prince George's County Police (Joe Lewis, MD-015, submitted an excellent Communications Profile on pages 27-33. The map, however, did not reproduce very well, but if he will send me the original I will try to include it in a future issue.)
July, 1982: Maryland EMSCS Frequency Plan (pp. 102-104)
June, 1982: Montgomery County Police (pp. 56-57)
Montgomery County Fire (pp. 57-58)
Montgomery County Government (p. 58)
May, 1982: Baltimore County Police Codes (pp. 45-46)
Baltimore County Fire Codes & Stations (p. 46)
March, 1982: Maryland State Police (pp. 57-58)
Montgomery County Police codes (pp. 58-59)
Montgomery County Fire (pp. 59-62)
Washington,D.C. Fire (pp. 61-62)
Washington, D.C. Government (p. 62)
Prince George's County Fire (p. 63)
Prince George's County Police (p. 63)
May, 1981: Montgomery & Prince George's Counties and Washington, D.C. - Miscellaneous (p. 29)
Baltimore City Police (pp. 29-31)
May, 1980: Washington, D.C. Police (p. 29)
Montgomery County Police (pp. 29-30)
Montgomery County Fire (p. 30)
Montgomery County Government (p. 30)
Washington D.C. Fire (p. 30)
Prince George's County Fire & Police (p. 31)
June, 1980: Baltimore County Police Codes (p. 5)
Harford County Fire (p. 5)
Prince George's County Fire (pp. 6-7)

My intent at this time, which will of course depend on viewer contribution, is to begin by reviewing the five major areas below by updating that information which has been submitted previously, and reprinting that which was published before 1982.

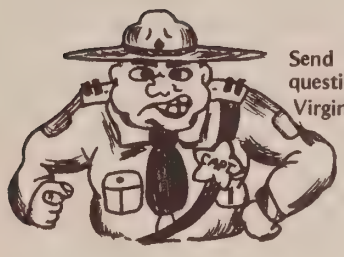
1. Washington, D.C.
2. Montgomery County (that's Northwest - remember?)
3. Prince George's County (Northeast/East)
4. Baltimore City/County
5. Anne Arundel County (Houses the state capitol in Annapolis)

Although I don't wish to sound like I am slighting my good friends (and hopefully readers) in the other various counties in Maryland, I think that not many of those areas have enough public safety information to fill up an entire column, and thus may be combined -- I challenge any members from those counties to prove me wrong, and I will submit whatever I am sent.

I would like to close by making an open offer to any and all area residents who have any information regarding public safety in Maryland and D.C. to Please sent it to me (Even if you don't live in the area but have data, please send it in). There have been certain area members (such as Joe Lewis) who seem to be carrying this area which is an unfair burden to place on those contributors. Even if you have just one frequency, a channel designation correction, a partial list of 10-codes, or anything else, please don't be shy about mailing it to me. None of us are experts and we can all benefit from each other but, as almost all of the area editors have said before me, this column will not suceed without the assistance and contributions of all area members.

I will now get off of my soap box and wish everyone a Happy New Year (I am told that this will come out around January-- I hope they don't make me look like a fool by including it in the summer issue).

Until next month....



PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia, and Virginia:

William Mauldin, 2268 N.W. 30th Rd., Boca Raton, FL 33431

INTRODUCTION:

Greetings to all! In the column this month there is a mixture of things from all states. Like most of you, I am always interested in new product information and data on where you can locate good "deals". From time to time, as I get some interesting information here, I will pass it along to you.

There was an ad in one of the communication trade publications this month from Bowitz Electronics Company. They were offering a handheld transceiver that did catch my eye. Here is a little from the ad:

THE WORLD FAMOUS PORTABLE RADIO. As big as your hand only, 30-50 MHz, 66-88 MHz, 136-174 MHz, 410-512 MHz, 1 to 5 watts, intrinsically safe, special waterprotected, dust and shock resistant, made for use at military sites, police, marine, off shore oil platforms and other site locations, also available with repeaters. Now with new belt clip ON and NICAD battery, antenna, six channels. Available for export only.

The technology is here gang! It would probably blow your mind to see some of the stuff that is now available to governments and special application users. As you will note from the above ad, this item is not available for USA sale, probably because it is not FCC type accepted or maybe somebody has the USA dealership on the radios. Interesting to see what is available sometimes.

Recognizing the growing demand by owners of scanner monitor receivers for a well performing, inexpensive external monitor antennas, the Antenna Specialists Company has introduced the new MON-64 DISCAN (trademark), a new lightweight model that can increase base station reception by as much as 100 percent. (So the ad says...) The MON-64 DISCAN provides excellent reception on the popular low band, VHF, UHF and T-band frequencies, from 25 to 512 MHz. Scanner listeners are discovering that the whip antenna that comes with most radios is inadequate for the monitoring distance required or for the increasing number of very low powered portables now in use by public safety agencies. Weighing less than 2 lbs., the DISCAN antenna is easy to install, comes complete with SO-239 connector and double U-clamp bracket. Cable is not provided. (This information from an article in one of the communications trade magazines. If anybody gets one of these, let the rest of us know how well it works!)

Larsen Antennas has also announced the new NMOQ antenna. This is also a new monitor antenna for 136-512 MHz. The antenna does require cutting for the desired frequency. I do not have complete information on this product as of this date, but I will continue to pass along anything worth mentioning.

In this months frequency listing, I have broken down the Southeast by states and tried to have something for everybody. I would like to continue doing this, but need some input from you folks out there. Please send me what you have in that notebook!! Share what you have with others here! I would especially like to have some date on the State Agencies, Highway Patrols, State Police, Wildlife Enforcement Agencies and anything else that is STATEWIDE in your state! I will try to keep the state agencies updated for all.

For those of you that are interested in used gear and classified ads dealing with radio gear of all types, there is an interesting publication that comes out about every two weeks. It is called HAM TRADER YELLOW SHEETS, published by Ham Trader Yellow Sheets (WA9MBJ), Post Office Box 356, Wheaton, IL 60187. The publication has been serving ham radio operators for 21 years and most of the ads are placed by ham radio operators. The subscription is: 5 issues for $2. 24 issues (one year) $8.50. Of course, like any classified, the buyer is on his own, but I know of few problems of buying and selling thru this hobby publication. I have seen some used scanners, special receivers and so on in the YELLOW SHEETS for super prices. If you are interested, drop them a note.

As we all know, amateur radio operators work very closely with public safety agencies, especially with storms, heavy snows, traffic problems, communication disruptions and so on. This month, as part of the frequency listing, I have gone thru my notes and listed the VHF NETS that are held within the frequency range of our scanners. The nets are usually held at least once a week where the amateur operators test the system and pass routine information. This is super listening! Often times, when the net is over and all emergency and routine traffic is passed, there are swap nets and so on. If you have any up-to-date corrections for the data listed, pass it along. Hams will sometimes change the day or time of the net to fit their needs, but the data to follow is what I have as correct for the areas listed. By listening to the frequency I have noted, you will know where to listen also in the event of a disaster in the coverage area.

The American Radio Relay League, Inc., Newington, CT 06111 has a complete NET DIRECTORY which is available free. To find out more about the ARRL and the FREE materials that are available, drop them a note (and enclose a stamped - self-addressed business size envelope). You can be a member of ARRL even if you are not a ham. They do have an associate membership or something along that line. They also offer some good educational materials for pretty fair prices - both direct and through radio dealers. If interested, check into it.

SPECIAL THANKS this month to JERRY CALLAM, the President and Founder of the Ohio Scanner Club! Jerry sent some very interesting information on EMS in Florida and Virginia! I will try to have lots of Hospital/EMS/Rescue data in next months column. AGAIN, GANG... SEND ME WHAT YOU HAVE SO WE CAN MAKE THIS INTERESTING AND WORTHWHILE FOR ALL!!

PUBLIC SAFETY - SOUTHEAST (GEORGIA)

HAM RADIO EMERGENCY/PUBLIC SAFETY NETS:

	Freq.	Drill Day	Time
Amateur Radio Club of Savannah	*146.970 MHz*	*Wednesday*	*8:00PM*
Amateur Radio Club of Savannah	*146.970*	*Thursday*	*9:00PM*
Central Georgia VHF Net	*146.850*	*Wednesday*	*7:30PM*
Chatahoochee Valley Emergency	*146.610*	*Wednesday*	*8:30PM*
Clayton ARES Net	*147.030*	*Tuesday*	*8:00PM*
Coastal Area Repeater Society Net	*146.700*	*Monday*	*9:00PM*
Coastal Area Repeater Society Net	*146.700*	*Sunday*	*7:00PM*
Coastal Area Repeater Society Net	*147.030*	*Tuesday*	*8:00PM*
Coastal Area Repeater Society Net	*147.030*	*Wednesday*	*9:00PM*
Conyers Amateur Radio Group	*146.805*	*Tuesday*	*9:00PM*
District 18 AREA Net	*146.670*	*Sunday*	*9:00PM*
Metro Atlanta Emergency Net	*146.820*	*Monday*	*8:00PM*
Newnan ARES Net	*146.790*	*Monday*	*9:00PM*
Northeast Georgia Emergency Net	*146.730*	*As Req.*	*As Req.*
Oconee Area Emergency Net	*146.700*	*Monday*	*8:00PM*
Western Georgia ARS Net	*146.640*	*Tuesday*	*8:00PM*

Georgia Members... PLEASE send me what you have in your note collection on the code and frequencies along with ID numbers and so on on the following agencies so that we may devote some of the GEORGIA SOUTHEAST SECTION to this information: GEORGIA STATE PATROL, GBI, ATLANTA AREA POLICE AND FIRE, STATE FIRE RANGERS, WILDLIFE AND ALCOHOL ENFORCEMENT, SAVANNAH AND CHATHAM COUNTY FIRE AND POLICE, AND ON ANY AND ALL OTHER LOCAL AND STATE DEPARTMENTS BOTH IN POLICE AND FIRE SERVICES. For State Agency stations, give transmitter locations and other information that would help a fellow member passing thru the area.

STATE OF GEORGIA: (My notes, which might be somewhat out of date, show the following general frequencies for the STATE OF GEORGIA.)

GEORGIA STATE PATROL: 154.680, 154.800 Mobiles
State Patrol/Local Depts. 154.905, 154.935

Statewide Intra-state Base/Base 155.370 (This is also used in Fla)

(My notes also show considerable state emforcement activity on these freqs:)
155.475 155.505, 155.580, 155.910 (Member comments??)

PUBLIC SAFETY - SOUTHEAST (FLORIDA)

HAM RADIO EMERGENCY/PUBLIC SAFETY NETS:

	Freq.	Drill Day	Time
Broward County Emergency Net (BEN)	146.910 MHz	Thursdays	8:30 PM
Collier County Emergency Net (CCEN)	147.030	1,3,5th Wed	8:00 PM
Dade County (Miami) Emergency Net (DEN)	146.940	Thursday	9:00 PM
Gainesville ARS Two Meter Net (GARS)	146.820	Monday	9:30 PM
Gold Coast Traffic Net (GCTN)	146.820	Mon/Thurs	7:30 PM
Manasota Emergency Net (MEN)	146.460 simplex	Tues	7:30 PM
Manasota Information Net	146.820	Thursday	8:30 PM
Manatee Co. Amateur Emer. Service Net	147.480 simplex	M & W	10:00 PM
Okaloosa County Emergency Net (OCEN)	146.790	Monday	11:00 PM
Okaloosa County Emergency Net-46	146.460 simplx	Thursday	10:30 PM
Okaloosa County Emergency Net-52	146.520 simplx	Wednesday	10:30 PM
Palm Beach Traffic Net (PBTN)	146.660	Tu & Su	9:00 PM
Pinellas Emergency Net (PEN)	146.660	Tuesday	9:30 PM
(this net also uses auxiliary freq)	146.970		
Putnam County ARES Net	147.060	Friday	10:30 PM
St. Petersburg ARC Net	147.060	Daily	8:30 PM
South Brevard Emergency Net	146.850	Thursday	9:30 PM
Southwest Florida Traffic Net	146.880	Mon & Sun	11:00 AM
Sunrise Emergency Net	146.790	Friday	9:30 PM
Volusia Emergency Net	147.420 simplx	Daily	8:00 PM

COMMENT: Since we did a pretty good coverage of the Florida Highway Patrol radio system and code last month, I will omit repeating the data. As an added remark, there are some excellent frequency lists in the March '81 edition for Florida, the Miami Dolphins and the Orange Bowl. If you are coming south for the BIG New Year, check this edition for the frequency listing. I HOPE YOU GUYS IN THE MIAMI RCMA GROUP WILL KEEP MY MAILBOX FULL!! I would also like to have information from other areas of the state... anybody listening in the JAX, Orlando, Tampa, Gainesville, Pensacola, Daytona Beach, West Palm Beach and surrounding areas?? If the FLORIDA space is empty, it is because YOU did not send me anything from your area...

During emergencies you will often hear public safety agencies working with the famous FLORIDA POWER AND LIGHT emergeney guys. You might enjoy listening to the freq which covers your area... here is the general FP&L listing from my file:

FLORIDA POWER AND LIGHT: 451.100, 451.200, 451.250, 451.025, 451.275, 451,375, 451.475, 451,125, 451,575, 451,675, 451,425, 462,525, 451,050, 451,075

These frequencies are listed in order of channel number, with 451.100 being Channel 1 and so on down the list. The system involves the linking and unlinking of repeater systems with central dispatchers. They can talk many miles from truck to truck or to base. Interesting listening, especially during storm conditions!

WARNING! THERE IS A FLORIDA STATE LAW WHICH PROHIBITS "RADIO RECEIVERS CAPABLE OF RECEIVING RADIO CALLS OF PUBLIC SAFETY AGENCIES" IN CARS UNLESS THE VEHICLE OPERATOR IS AN AMATEUR RADIO OPERATOR. THEY DO TRY AND ENFORCE THE LAW, ESPECIALLY IN THE LARGER CITIES AND IN South FLORIDA. Be Careful!

PUBLIC SAFETY - SOUTHEAST (NORTH CAROLINA)

HAM RADIO EMERGENCY/PUBLIC SAFETY NETS:

	Freq.	Drill Day	Time
Alamance ARES Net	*146.670*	*T/TH/SU*	*9:00PM*
ARES Forsyth County	*146.640*	*Wednesday*	*8:00PM*
Buncombe County Civil Prep. Net	*146.910*	*T/TH/SU*	*9:00PM*
Cape Fear ARS Net	*146.910*	*Daily*	*9:00PM*
Central Carolina ARS 2 Meter Net	*147.180*	*Tuesday*	*9:30PM*
Central North Carolina Traffic Net	*146.730*	*Daily*	*9:30PM*
High Point ARES Net	*146.865*	*Thursday*	*9:00PM*
Piedmont Coastal Traffic Net	*146.880*	*Daily*	*9:00PM*
Piedmont 220 Traffic Net	*224.340*	*T/TH*	*8:00PM*
Raleigh Amateur Radio Society Net	*146.640*	*Daily*	*9:00PM*

Stanly Emergency Net	146.985	Wednesday	9:00PM
Triode Net	147.045	W/F/SU	9:00PM
Western Carolina VHF Traffic Net	146.760	Wed/Fri	8:30PM
Wilkes County ARES/RACES NET	144.770	Tuesday	8:00PM

COMMENT: Since there was an EXCELLENT article by PAUL (NC-021) in the March 1981 edition of the RCMA NEWSLETTER on the NORTH CAROLINA STATE HIGHWAY PATROL, I will not add the frequencies here. If you are traveling to N.C., it would be helpful to look up your MARCH '81 edition and carry it along. (Paul, I do hope you will keep me posted on what takes place in N.C. and send along any changes. I have your March '81 material in the computer here!)

MEMBER HELP NEEDED: PLEASE send in any information, frequencies, IDs, and so on from your city! I have a pretty good listing on Greensboro and Guilford County. This will be coming up next month! Information on Raleigh, Charlotte, Winston Salem, Asheville PD/SD/FD's and surrounding areas PLEASE!

GENERAL INFORMATION: Want to check your receiver while in NC and see just how much distance you are receiving? There are some interesting ham repeaters in some interesting locations. If you can copy these, you will know how well you are receiving and how far... (From: REPEATER JOURNAL)

On May 3, 1982, a 2 meter repeater was placed in service on Clingman's Peak at Mount Mitchell, N.C. on the frequency of 145.190 MHz. Power output was 20 watts. This is the highest repeater in the Eastern U.S. at present, topping out at 6,607 feet elevation. By the time you read this, the power will be increased to 100 watts ERP. There is also another repeater at this location on 224.540 MHz.

For those of you further east, there is a repeater on one of the TV towers just east of Raleigh. The machine operates on 146.880 MHZ and should be easily received all over the eastern part of the state.

There is another "super" repeater located on the Channel 8 TV tower just south of Greensboro at Level Cross, NC. It is on 146.790 MHz. The coverage area is over most of central NC and some northern SC.

PUBLIC SAFETY - SOUTHEAST (SOUTH CAROLINA)

HAM RADIO EMERGENCY/PUBLIC SAFETY NETS:

	Freq	Drill Day	Time
Anderson 2 Meter Net	146.790	Daily	8:30PM
Blue Ridge 2 Meter Net	146.700	Daily	9:00PM
Carolina State Line Net (Aiken Area Xmtr)	146.730	Monday	9:00PM
Coastal ARA 2 Meter Net	146.910	Friday	9:00PM
Grand Strand ARC 2 Meter Net	146.610	Friday	9:00PM
Islander ARC Net (Beaufort area)	146.610	Thursday	9:00PM
Lancaster County Net	146.700	M/W/F	8:30PM
Newberry County ARES Net (simplex)	146.520	Thursday	9:00PM
Orangeburg ARC Net	147.090	Wednesday	7:00PM
Pee Dee Repeater Assn Net (Florence)	146.970	Tuesday	8:00PM
South Carolina SSB Net (not FM - Pickens Co)	144.250	Tuesday	9:00PM
Spartanburg ARC Net	147.090	TUES/SAT	9:30PM
Swamp Fox ARC Net (NE area SC)	146.700	Monday	9:00PM
Trident ARC Net (Charleston)	147.270	Tuesday	7:00PM
Western SC Emergency Net	147.165	M/W/F	9:00PM
York County ARES Net	146.030	TUES/SAT	8:30PM

Comments: *There is an active 2 meter repeater on Little Mountain, SC on the frequency of 147.210, on Sasfras Mountain 146.790, on Paris Mountain near Greenville 146.820. You can use these to check your scanner reception coverage. Most ham mobiles give their locations as they talk thru these repeaters, so don't be confused about what you are hearing. ON THESE FREQUENCIES, you are listening to the repeater and not the mobile.*

SOUTH CAROLINA HIGHWAY PATROL: From my files here, I note that the SCHP is still operating on the low bands. I show 42.080, 42.100, 42.120, 42.140, with 42.260 and 42.340 as the mobile to base channels. We have not done a good SCHP rundown in quite a while. PLEASE GUYS, send me what you have in the books on SCHP! Also, I would like codes, IDs, freqs and so on on other state agencies and on the other counties and cities in S.C.! Anything would be appreciated - especially larger PD/SD/FDs and others along the interstates!!

RCMA MEMBERS --

THE CENTERFOLD THIS MONTH IS AN APPLICATION FOR MEMBERSHIP FORM.

WHY NOT USE IT TO GIVE SOMEONE A CHRISTMAS GIFT? RECEIVING THE RCMA NEWSLETTER EVERY MONTH CONTRIBUTES TO YEAR 'ROUND ENJOYMENT OF MONITOR RADIO LISTENING.

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U.S. Residents	$16.50/yr
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Europe	$20.00/yr
South Pacific & Asia	$21.50/yr

RCMA

Radio Communications Monitoring Association

P. O. Box 4563 / Anaheim, CA 92803 USA

1. Name _____

Address _____
(street or P.O. Box number)

_____
(city, state, & zip code)

Telephone number (____) _____
(area code)

Best time to call you: ___a.m. ___p.m.

Do you for any reason want your last name and address withheld from the RCMA Newsletter new members list?

-----Yes

----No

3. Is your monitoring (check one of the following):

___all mobile

___all home based

___mostly mobile

___mostly home based

___about half and half

2. What year did you begin the hobby of monitor radio listening?

19____

4. How high above the ground is your highest outdoor base station monitor antenna, if any? _____

5. What receivers do you use? _____

6. What outdoor base station antennas, if any, do you use for monitoring? _____

7. Do you have any additional radio hobbies such as:

___Amateur Radio (give call and class)

___CB

___Shortwave listening

___BCB DXing

___TV & FM (88--108 MHz) DXing

___Other _____

8. To what other radio clubs, if any, do you belong (excluding Amateur & CB)? _____

9. What is your occupation? _____

10. Above 30 MHz, to what do you listen most? (Check one or more of the following.)

___Fire
___Forestry
___Sheriff
___Police
___Highway patrol
___State police
___ U.S. Gov't.
___Trains
___Mobile telephone
___Local governments
___Road departments
___Utility departments
___ Ambulance
____Paramedics
___ News media
___Business
___Private patrol or security
___VHF marine
___VHF aircraft (118--136 MHz)
___UHF aircraft (225--400 MHz)
___Satellites

11. To what other agencies or services do you listen on which you would like to compare notes with other monitor listeners?

_____

12. Do you have a cassette recorder?

___Yes

___ No

Are you interested in corresponding with other RCMA members by tape?

___Yes ___Possibly

___ No

13. Where and when did you hear about RCMA? _____

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

RCMA

Radio Communications Monitoring Association

P. O. Box 4563 / Anaheim, CA 92803 USA

1. Name _____

Address _____
(street or P.O. Box number)

_____
(city, state, & zip code)

Telephone number (____) _____
(area code)

Best time to call you: ___a.m. ___p.m.

Do you for any reason want your last name and address withheld from the RCMA Newsletter new members list?

-----Yes

---No

3. Is your monitoring (check one of the following):
___all mobile
___all home based
___mostly mobile
___mostly home based
___about half and half

2. What year did you begin the hobby of monitor radio listening?
19____

4. How high above the ground is your highest outdoor base station monitor antenna, if any? _____

5. What receivers do you use? _____

6. What outdoor base station antennas, if any, do you use for monitoring? _____

7. Do you have any additional radio hobbies such as:
___Amateur Radio (give call and class)
___CB
___Shortwave listening
___BCB DXing
___TV & FM (88--108 MHz) DXing
___Other _____

8. To what other radio clubs, if any, do you belong (excluding Amateur & CB)? _____

9. What is your occupation? _____

10. Above 30 MHz, to what do you listen most? (Check one or more of the following.)

___Fire
___Forestry
___Sheriff
___Police
___Highway patrol
___State police
___U.S. Gov't.
___Trains
___Mobile telephone
___Local governments
___Road departments
___Utility departments
___Ambulance
___Paramedics
___News media
___Business
___Private patrol or security
___VHF marine
___VHF aircraft (118--136 MHz)
___UHF aircraft (225--400 MHz)
___Satellites

11. To what other agencies or services do you listen on which you would like to compare notes with other monitor listeners?

_____

12. Do you have a cassette recorder?
___Yes
___No

Are you interested in corresponding with other RCMA members by tape?
___Yes ___Possibly
___No

13. Where and when did you hear about RCMA? _____

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

PUBLIC SAFETY - SOUTHEAST (VIRGINIA)

HAM RADIO EMERGENCY/PUBLIC SAFETY NETS:

	Freq.	Drill Day	Time
Arlington County ARES Net (simplex)	146.580	WED/FRI	8:00PM
Fauquier County Service Net	147.165	Thursday	7:00PM
Fort Belvoir ARES Net	146.655	Wednesday	8:00PM
Northern Piedmont Emergency Net	146.760	Wednesday	7:30PM
Rappahannock ARA Net	147.330	Thursday	8:00PM
Rockingham County ARES Net	146.625	1st Su/3 Th	10AM/10PM
Shenandoah Valley Emergency Net	146.820	Daily	8:15PM
Skyline Regional Net	147.330	Thursday	9:00PM
Southern Peninsula ARC Net	146.730	2nd/4th WED	7:30PM
South Tidewater ARES Net	146.970	Daily	9:00PM
Williamsburg Area ARES Net	146.670	Monday	6:30PM
York County ARS Net	146.940	Tuesday	8:00PM

COMMENT: There are some active 2 meter repeaters located on some pretty high mountains in Virginia. Some of these are Brirp Mountain 147.090; Cole Mountain 147.330, Poor Mountain 146.965; Afton Mountain 147.075; Sand Mountain 146.775. They would be useful for checking your scanner reception.

VIRGINIA STATE POLICE: From my own notes taken during a trip thru Virginia last year about this time, I noted the VIRGINIA STATE POLICE had moved from the low band to some "highway maint" frequencies in the VHF band. I noted these... 154.650, 154.935, 154.985, 159.000, 159.135, 159.165, with the old 42.860 and the 42.880 used for some point to point bases.

VIRGINIA MEMBERS... PLEASE send me what you have on the VSP and on any other state agencies along with complete data on large and small depts in your monitoring area. We need to do a complete breakdown on the VSP in an up-coming issue!

PUBLIC SAFETY - SOUTHEAST (WEST VIRGINIA)

HAM RADIO EMERGENCY/PUBLIC SAFETY NETS:

	Freq	Drill Day	Time
Black Diamond Net	146.850	Tuesday	8:30PM
Hancock County RACES Net	146.940	Wednesday	10:00PM
Kanawha-Fayette County Net	145.470	Tuesday	8:30PM
Marshall County Net	146.910	Tuesday	8:00PM
Parkersburg ARC Net	146.970	Wednesday	9:00PM
Plateau ARA Net (SW W.VA)	147.190	Saturday	9:00PM
Putnam ARS Net	147.270	Monday	9:30PM
Southern West Virginia ARA Net	146.880	Monday	8:30PM
++ TRIPLE STATE WEATHER NET (Northern)	146.910	Wednesday	8:15PM
Twin State Emergency Net	145.490	WED/FRI	7:00PM
Wood County ARES Net	146.970	1/3 WED	9:00PM
Wyoming County Emergency Net	147.030	Tuesday	9:00PM

Comment: I do not have a personal listing of the mountain top repeaters operating in West Virginia. From what I have seen of West Virginia from the air, most of these are probably mountain top repeaters.

WEST VIRGINIA STATE POLICE: I don't really have much at all on this. I did listen to my Bearcat 100 when passing recently and copied what seemed to be WVSP on the following: 42.100 and 42.120 --- 42.260 seemed to be the only mobile channel. WEST VIRGINIA MEMBERS... SEND ME SOMETHING!!!!

PUBLIC SAFETY - SOUTHEAST (GENERAL DATA)

U.S. WEATHER SERVICE TONES

TONE CATEGORY	USE	TONE NUMBER 1	TONE NUMBER 2
1	General Public	1050 Hz	1900 Hz
2	Unassigned	1200 Hz	1900 Hz
3	Marine Bulletins	1350 Hz	1900 Hz
4	Unassigned	1500 Hz	1900 Hz
5	Local Applications	1650 Hz	1900 Hz

EMERGENCY DESIGNATED TWO-WAY FREQUENCIES:

VHF LOW POWER: 33.020, 33.040, 33.060, 33.080, 33.100
37.900, 37.940, 37.980, 45.920, 45.960
46.000, 46.040, 47.420, 47.460, 47.500
47.540, 47.580, 47.620, 47.660

VHF HIGH POWER: 155.160, 155.175, 155.205, 155.220, 155.235, 155.265
155.280, 155.295, 155.325, 155.340, 155.355, 155.385,
155.400.

SPECIAL EMERGENCY PAGING FREQUENCIES:
152.480, 154.625, 157.740, 158.460
462.750, 462.775, 462.900, 462.825, 462.850, 462.875
462.900, 462.925, 465.000

THE 10 STATE POLICE VHF FREQUENCIES:
154.665, 154.680, 154.695
154.905, 154.920, 154.935
155.445, 155.460, 155.475
155.505

NATIONAL POLICE EMERGENCY FREQUENCY: 155.475 MHz

This frequency has been selected to be used by all departments at all levels, all police mobiles, all police portables. It will allow any department to work any other department within range as the program reaches max use. This is a STATE POLICE Freq.

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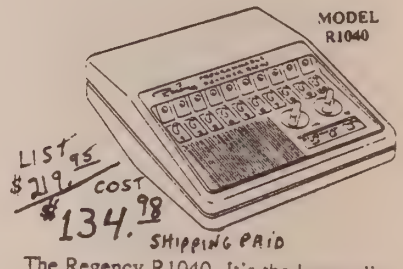

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The Regency R1040. It's the lowest list price no-crystal scanner you can buy.

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PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows – Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Brandt Niemuth, P.O. Box 541, Rosemont, IL 60018

Illinois State Fair Radio Systems. Two different contributors - Gary (IL-073) and Dennis (IL-026) - were visitors at the fair on seperate occasions. I've combined their "reports" and now present a picture of the "radioactivity."

1. Illinois State Police have the primary responsibility for fairground security. Troopers from all over the state (except Dist 9) rotated on walking patrols. At least 8 teams (called "Walking A-Adam" then "Walking H-Henry") were observed and monitored. The two state K-9 teams (Rocky" and "Socko") augmented the grounds patrol. Troopers from Springfield Dist 9 patrolled the perimeter of the grounds and were available for assistance within the fairgrounds proper. Temporary base station KSB 237 was set up on 155.460 and ID'd as "Fairgrounds". 42,500 was also in use.

2. Secondary responsibility was assigned to the Dept of Criminal Investigation. 8 teams were monitored and observed. "DCI base" was set up on 154.95 - the primary frequency. Temporary base station KSB 237 "Fairgrounds Base" also had 154.95 capability and was used at times to contact DCI teams. A power outage - putting "DCI Base" off the air - resulted in the switching of DCI fairground operations to 155.460 for a short period of time.

3. Special Emergency and Local Gov't functions:
   - 47.420 American Red Cross. Mobiles and portables. "Fairgrounds" and "Chapter House".
   - 155.085 Illinois State Fair Agency. Grounds security and maintenance, etc.
   - 155.220 "Fairgrounds Hospital" (KJH 306) Ch A (Springfield "C-Med)
   - 155.205 "Fairgrounds Hospital" (KJH 306) Ch B (Springfield "C-Med")
4. Governor's Security on 154.710 "Edward 99", "Governor's Tent" and "Governor's Mansion".
5. Other State Governmental Agencies observed included Secretary of State officers, Dept of Corrections personnel and even a Dept of Conservation boat - all radio equipped. (Hint: on the next visit try 453.875. A base station WQQ is installed at bldg 29 in the fairgrounds.)

Thanks to both of you for an enlightening contribution.

Western Illinois News courtesy of fellow editor Mike (IA-011);

1. Henderson Co. S.D. has switched to the new high band freq of 155.550 rptr out. (Their F-1 in multi-channel radios.) The local Gov't freq of 158.775 has also changed to a rptr out.
2. Moline P.D. can now be found on 460.550 simplex ("TAC 10")
3. Prophetstown P.D. shares the local gov't freq of 453.725 with the public works dept. County (Whiteside S.D.) radios are only used for mutual aid, drivers and vehicle information.
4. Pilots in Henry Cohave formed the "Reserve Deputy Air Patrol" using portables e/w 154.725 (Henry Co S.D. high band). Deputies ride along as observers. The 122.900 freq is used to contact I.S.P. aircraft in the area.

East Central Illinois News from Sam (IL-048) and Art(IL-195):
1. Look for the Champaign - Urbana P.D. Communications to be consolidated into the METCAD dispatch center in the near future.

2. IREACH (155.055) has been placed into service in the Vermilion and Coles Co. areas. Macon Co, will be one of the next areas to get it.
3. IREACH (155.055) also comes to I.S.P. Dist 10. As high band radios are replaced, new units with the capability will be placed into service. The district should be "IREACH" capable by Nov 1st - with all mobiles PLUS the base station in operation.
4. METCAD dispatch center to have IREACH capability by Dec 1st.
5. I.S.P. Dist 10 command personnel (corporals and above) are having Regency M-100 scanners installed in their cars. The primary purpose is for the monitoring of the 453 mhz METCAD freqs.

Indiana News courtesy of Mark (IN-014):
1. New I.S.P. Area 6 has apparently been created out of the Peru and Lafayette Districts. Peru now ID's as Dist 61 and Lafayette now ID's as Dist 62. No other changes have been observed.
2. The new Fort Wayne/Allen Co Advanced Life Support System is using 462.95 ("Med 9") in the rptr mode. 462.975 ("Med 10") is apperently used as a back-up freq - as Whitley Co "Tri-Comm" is the only regularly observed service using the freq.
3. The Wishard Hospital Ambulance Service Dispatch will be moved to the Indianapolis Police/Fire Dispatch Center. The move will allow the ambulances to make use of the "911" system. This is also the first step in what people believe will be the transfer of ambulance/paramedic operations to the Indianapolis F.D. or to a new seperate agency. Dispatch operations will apparently be retained on 462.95 rptr out - with 462.975 and 155.400 as back ups.
4. Indianapolis P.D. refers to 453.300 as "Channel 9". The channel is used for special operations. Portable radios are available for use. 453.300 can be used for surveillances, special operations, or large public events. (Portables were used as offials radios during the recently held "National Sports Festival." 40 radios alone were used by medical assistance teams, with other radios used by coordinators.)
5. Russiaville Ambulance Service in northwestern Howard Co uses 155.085 (KJC 739) for dispatch and operations. (The freq is licensed to "Russiaville Town of").

Mark, thank you for those contributions and good luck with your studies.

Central MI freqs courtesy of Charles (MI-094):

460.525	Clinton Co SD (Ch 6 - Surveillance)
460.250	Clinton Co SD (Ch 2 - Patrol)
155.985	Clinton Co LG (St John Ambulance Dispatch #101 and Animal Control #82)
155.760	Pewamo FD, Westphalia FD, and Pierson FD
153.890	Freeport FD

Clinton Co Mi 10-codes courtesy of Charles (MI-094):
The standard 10-codes are used with the following exceptions:

10-12 Transporting Female	10-60 Parking Problem
10-15 Bomb Scare	10-62 Abandoned Vehicle
10.15c Bomb Device	10-64 Service Run
10-18 Change Uniform/Riot Gear	10-65 Subpoena Service
10-26 Officer Needs Help	10-67 Vehicle Inspection
10-29 File Check	10-68 Attempt Pick Up (Arrest)
10-30 LEIN Check	10-69 Loud Party
10-34 Transporting Non-Criminal	10-71 Rescue Run
10-35 Transporting Prisoner	10-72 Plane Crash

10-73 School Check
10-75 Meet Officer
10-80 Stolen Vehicle
10-81 Attempt to Locate
10-82 Unable to Locate
10-83 D.O.A./Suicide
10-85 Need Supervisor
10-86 B & E
10-87 Assist another Dept
10-88 Shoplifter
10-89 Malicious Destruction
10-91 Unnecessary Radio Use
10-92 Open Door
10-95 Runaway
10-97 Missing Person
10-98 Trouble at HQ
10-99C Danger
10-100 Open Overhead Door

The following 10-codes are not used:
10-0, 10-3, 10-48 thru 10-50, and 10-84.

I've saved the best until last. Brad(OH-138) has sent on several in-depth contributions about Ohio public safety systems. We start off with two miscellaneous statewide law enforcement freqs:

45.100 Liquor Control 45.220 State Hospitals

Turning now to the Ohio Turnpike Authority: 155.685 and 155.790 are used for law enforcement purposes. Tollbooths, Maintenance Vehicles, Tow Trucks, and Ambulances can be found primarily on 159.165 rptr out (156.135 in), with maintenance operations also found on 158.985. Turnpike police are also e/w the statewide 45.020 Ohio State Patrol freq. Ohio State Patrol radio codes are used, but the police operate only on the turnpike.

A contribution was also received on the Ohio Dept of Transportation. It's summarized as follows: Dist 3 (control at "Ashland") can be found on 47.400 covering the counties of Erie, Lorain, Huron, Medina, Crawford, Richland, Ashland, and Wayne.
Dist 4 (Control at "Ravenna") can be found on 47.34 covering the counties of Ashtabula, Trumbull, Summit, Portage, Stark, and Mahoning.
Dist 11 (Control at "New Philadelphia") can be found on 47.220 covering the counties of Columbia, Carroll, Tuscarawas, Harrison, Jefferson, and Belmont.

Dist 12 (Control at "Garfield Heights") can be found on 47.220 covering the counties of Cuyahoga, Lake, and Ceauga.
(Note: This represents the northeastern part of the state. Hopefully other members will be able to complete the statewide picture.)

Moving on - we now have radio codes for the Ohio State Patrol:

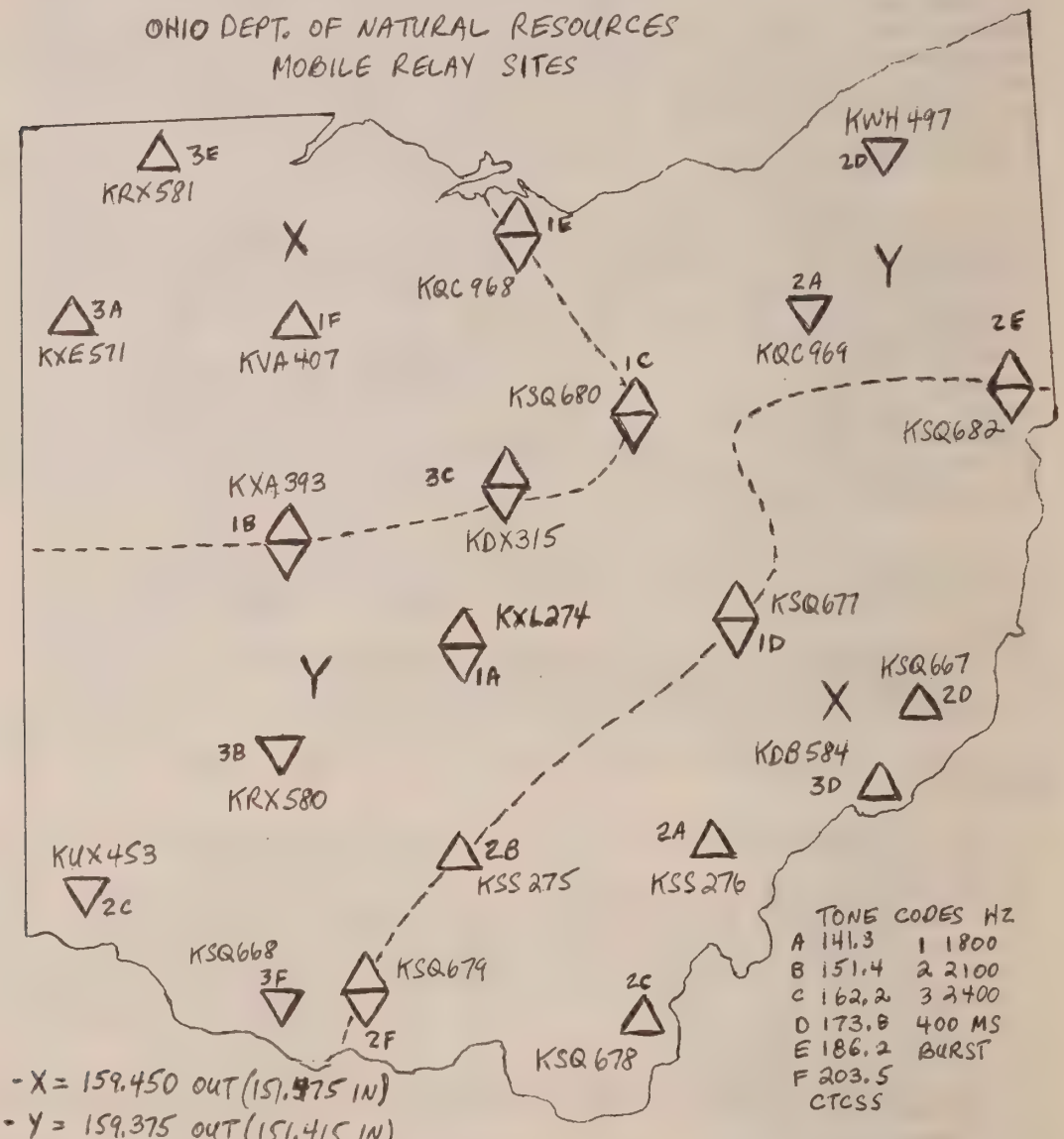
1. Out of Service
2. In Service
3. Out of Service - subject to call
4. Out of Service - equipment failure
5. Rush
6. Refer Previous Traffic
7. At Your Convenience
8. Can't Read Change Location
9. Unable To Answer Now
10. Phone given Point
11. Phone GHQ
12. Phone DHQ
13. Phone Your Post
14. Phone Radio
15. Phone Home
16. Tech. Problems w/Computor
17. Tech. Problems w/Functional Portion of LEADS
18. Accident Report #
19. Relay by Phone
20. Contact ____ in Person
21. Contact GHQ in Person
22. Contact DHQ in Person
23. Contact Your Post in Person
24. Contact Radio in Person
25. Contact Home in Person
27. Improper Procedure
29. Relay in Person
30. Fatal Accident Report

(Nos. 26, 28, 35, 52, 53, and 58 are not in use)

31. Accident Propety Damage Report
32. Accident Personal Injury Report
33. Drowning

34. Fire - Motor Vehicle
36. Fire - Other Than Motor Vehicle
37. Disabled Vehicle
38. Eating
39. Location
40. Emergency
41. Immediately
42. Be on Station
43. All Units, Call Your Post
44. All Units, Report to Post
45. Resume Regular Patrol
46. FCC Inspection on Station
47. Traffic Preference
48. Stand-in Examinee
49. Forced Landing
50. Unidentified Plane
51. Plane Crash
54. Wrecked Truck Hauling Explosives
55. Explosion
56. Train Accident
57. Bomb Scare
59. Permits
60. Convoy or Refdnce Convoy
98. Wanted Person
99. Wanted Person or Property

The Ohio Dept of Natural Resources radio system is covered in detail. Several maps were originally furnished - with the best features of both combined into this "hand-drawn" version (for purposes of reproduction).



The Codes and signals for The Ohio "DNR" are as follows:

Q-1 In Service - Traffic For Me
Q-2 In Service
Q-3 Your Message Received - Stop To Copy
Q-4 Emergency Traffic
Q-5 Please Stand By
Q-6 Can't Receive - Change Location
Q-7 Meet ____ at _____
Q-8 Repeat Location
Q-9 Need Help at _____
Q-10 Attention All Units - Limit Traffic to Emergency Use Only
Q-11 Arrest Files On _____
Q-12 Registration Check
Q-13 Unable To Contact
Q-14 Telephone _____

1. Investigate
2. Assault
3. Investigate a ____ at
4. Assist Other Unit
5. Burglary
6. Special Detail
7. Domestic Trouble
8. Intoxication
9. Fight
10. Emergency Run To ____
11. Vehicle Requires Ambulance, Wrecker, etc
12. Juvenile Delinquents
13. Person With A Weapon
14. Officer In Trouble
15. Sex Related
16. Robbery
17. Suicide
18. Suspicious Person or Vehicle
19. Vandals

There's no better way to finish up the Ohio contributions than with a Little "plug" from Jerry (OH-015). He reminds members that a sample copy of a newsletter from the "All Ohio Scanner Club" is available for the cost of $1.00 (includes 1st class postage and handling). Send your inquiries to:

Jerry Callum
10 Avalon Rd
Mt Vernon, Ohio 43050

This column now comes to a close with

Happy Monatoring!

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Iowa, Kansas, Missouri, Nebraska, N. Dakota, S. Dakota, and Minnesota:

Michael W. Scheel, RR #1, P.O. Box 221, Walcott, IA 52773

Welcome to the December column. The big news here in the Quad-Cities is the start of a paramedic service. The Davenport Hospital Ambulance Corp. was set up by Davenport Osteopathic,Davenport Mercy,and Davenport St. Luke's Hospitals. The ambulances are modular type vehicles. There are four ambulances and thirty paramedic personnel. Two are based at Mercy and at St. Luke's. 155.340 is the only channel used at this time for operations. Scott County Sheriff has their transmitter on 155.340. Davenport Police has wireline control of St. Luke's transmitter.

155.340	Mercy	KBM921	Medic 1,2
	St.Luke's	KTS534	Medic 3,4
	Osteopathic	KWM832	
	Scott County	KMW___	

Corrections to the maps in the October Newsletter
map 1 C should be 6-155.070, E should be 2-154.830

map 2 7 is 155.550,also the county on the left side of 7 is also a 7 instead of a 4. county 22 (see map 3) is 4A. county 28 is 2A. county 33 & 10 is 3.

in the Jan. column will maps showing ch 3 and 5 also future columns will have maps for rural fire and ems.

Highway Maintenance Radio and System Information

IOWA STATE DOT

There are at least one DOT garage per county. Either channel is assigned to that county for use of the state. There is also five subaudible tones. This allows for ten different channels to decrease interfernce.

F1	159.180	156.060	RP	PH
F2	159.195	156.105	RP	PH

There is no simplex use of the repeater output frequenics. Weigh Scales and Enforcement Officers have
155.970 155.970 BM PP

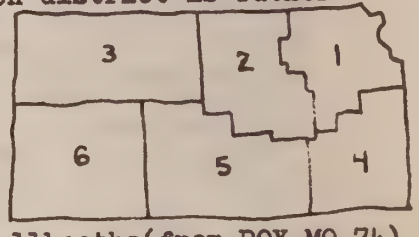
IOWA COUNTIES

Clinton	151.115	159.060	RP	PH	
Cedar	159.000	151.055	RP	PH	
Dubuque	151.025	156.195	RP	PH	(from Tom IA-015)
Des Moines	155.865	153.875	RP	PL	(from nonmember)
Henry	151.115	159.060	RP	PH	(from Mike IA-007)
Johnson	159.105		RP	PH	
Jones	151.100	156.240	RP	PH	
Jackson	158.835	153.935	RP	PL	
Linn	159.135		RP	PH	
Muscatine	151.130	156.165	RP	PH	
Scott	37.980	37.980	BM	PH	
Clayton	154.025		RP	PL	
Lousia	151.010			PH	

KANSAS STATE DOT (from Audy KS-014)

The state is divided into six districts,each district is futher divided into areas, then into subareas.

District	HQ Location	Freq.	
one	Topeka	47.180	BM
two	Salina	47.060	BM
three	Norton	47.180	BM
four	Chanute	47.060	BM
five	Hutchinson	47.180	BM
six	Garden City	47.060	BM
Tollway	I-35 & I-70	151.085	RP
		151.100	RP



Tollbooths(from ROY MO-74)

There is plans to use 47.12 and/or 47.20 to cut down on interfernce.

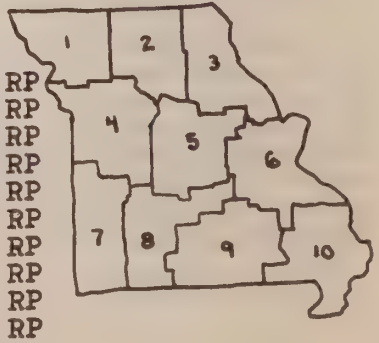
MINNESOTA STATE DOT (JAMES MN-003 from 4/82 PS-Central)

Ch 1	156.045	151.025
2	156.135	151.070

Only information available.

Missouri State Highway Commission
(from Mike REDMAN 12/80 PS-Central)

District	HQ LOCATION	FREQ.		
one	ST.Joseph	151.130	156.135	RP
two	Macon	151.040	156.045	RP
three	Hannibal	151.070	156.015	RP
four	Kansas City	151.070	156.015	RP
five	Jefferson City	151.130	156.135	RP
six	KirkWood	151.040	156.045	RP
seven	Joplin	151.130	156.135	RP
eight	Springfield	151.040	156.045	RP
nine	Willow Springs	151.070	156.015	RP
ten	Sikeston	151.130	156.135	RP



Missouri Counties		
St.Louis County	151.100	37.920 RP
St.Louis City	156.180	45.920 RP
St.Charles	159.105	159.105 BM
Pike	151.040	156.075 RP
Lincoln	156.225	156.225 BM
Washington	156.225	156.225 BM
	159.060	159.060 BM
Jefferson	159.165	156.165 BM
	159.135	159.135 BM
Cole	159.120	(Tim Mo-070)

Nebraska 47.080 & 47.20 no other info
S.Dakota 159.000,37.96,& 39.16 no other info
N.Dakota 151.040,151.055,151.085,151.100,452.800,452.85
can anybody give any info on the above states ?

Well that's it for this month. Till next month 73. -30-

This issue's Public Safety - North Central column concludes with a map of the Iowa Department of Transportation Maintenance Radio System on page 42.
- Editor

PUBLIC SAFETY — SOUTH CENTRAL:

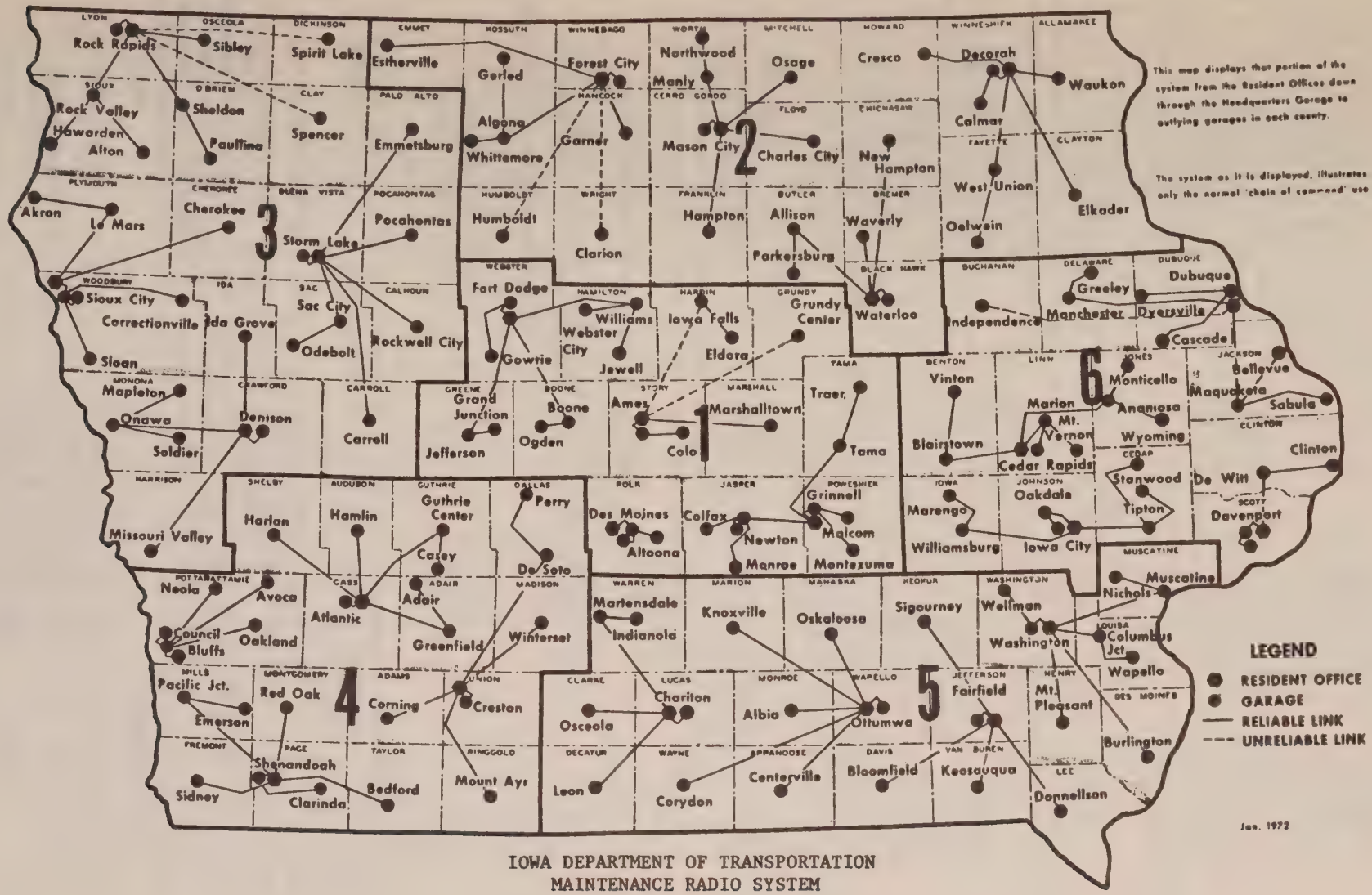
Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows – Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas:

Ken Pehl, 108 E. Centre St., Fredericksburg, Texas 78624.

Season's Greetings from your editor! It's a bit strange to be saying that as it is just the closing days of September as I am writing this. I hope all readers have a most pleasant holiday and may your dream piece of radio gear find its way under the Christmas tree. I have a few announcements and an editorial before moving on to this month's material.

It is with much regret that I have to report the following news at a time like this. It was with much surprise and sadness that I received notice from the RCMA-Dallas/Fort Worth Chapter regarding their disbandment. Lack of active support from area members was one of the major reasons cited for the chapter's demise. If I may be allowed to get atop my soapbox for just a moment....Why is it that monitor freaks, like us, exist? Why are monitorists drawn to the little electronic black boxes, called scanners? Do we feel a compulsion to be a part of the action? Is it curiosity? What? And when you follow the radio activity, aren't you anxious to know about the entire communication system you are listening to? Its capabilities? Don't you feel a need to comprehend, to learn more about the system you monitor? Don't you feel a need to share some experience you have had with others, who also share your fascination with radios and who sympathize with your addiction to your radios? Or are you so wrapped up with listening that you only want to listen--refusing to learn more than necessary to keep yourself from being left out of the activity? Do you listen to only one agency--such as federal government agencies--again refusing to expand or acknowledge that anything "lower" exists and is just as exciting? Do you only listen to certain agencies to brag about your "big" time capabilities? Do you only want to get info from someone else so you can continue to be informed and wrapped up in just one type of action, never sharing your info with someone else? Sit back and think about it. Are you selfish about your info? Where do you fit in? I'm going to admit I fit into this second type of listener at times. I think we all are guilty of being too busy, or too lazy at times, to be an active contributor to our hobby magazine or local chapter. But is this an excuse to let a well formed chapter float away? And not just one but two chapters--the Houston Chapter is also having trouble getting any interest generated. I'll leave the remaining conclusions to your conscience. But do give this some thought. Do you want local chapters or not? Your support will determine the rest.

I have a half notion to suspect that the active core group from the DFW



IOWA DEPARTMENT OF TRANSPORTATION
MAINTENANCE RADIO SYSTEM

Chapter will remain in contact with each other and continue on an informal basis, with a high probability of forming a SWL (HF) type of radio club. I have not been in direct contact with the DFW Chapter (ex-chapter, I should say) to confirm this idea but I do have my suspicions. Needless to say the previously announced expanded DFW bulletin/newsletter will no longer come about.

Moving along to the contributions for this month...While it may hardly seem like it now, winter is approaching and with it, time to bone up on the winter listening information. This month we will be concentrating on the highway maintenance type of radio systems.

Dave Litsinger, TX-32, has sent some very useful information on the Texas Dept of Highways & Public Transportation radio system. Dave found a roster of Highway Dept stations cross-referenced by station ID number, station location and by station callsign. Due to the length of the lists, only the station ID number roster will be published. This list will be broken down into several parts and serialized in the column over the next few months. If anyone needs to have the other roster formats, please send me a SASE for details on how to arrange for copies of the other lists.

Refer to past newsletters (February 1982 and April 1982) for further background on the Texas Highway Dept radio system. Recapping briefly--Ch A is 47.18 simplex and is the main communications channel for bases to mobiles for the entire state. Ch B is 47.06 simplex for the main base to base communications channel. Ch C & D are auxiliary frequencies according to region. Ch K--151.025 simplex is now confirmed as the hand held unit's net frequency, statewide. (Law Enforcement Ch 3--154.950 is also being equipped in a number of SDHPT supervisor's radio sets, judging from a few reports obtained from various sections of the state, including this editor's own immediate area.) Bases are addressed by mobiles as a one, two, or three digit ID number, rather than by geographic name. The following roster gives the station ID number, location, District, FCC callsign, and the transmitting and receiving channels (as designated by the channel letters). Those instances where only a "-" and letter appear denotes a receiving only station. An underscore of the receiving channels signifies that channel is monitored all the time. This list is a 1973 dated roster but appears to be the most recently available roster and is still valid as far as the station ID numbers are concerned. Part One of the station roster follows:

TEXAS DEPARTMENT OF HIGHWAYS & PUBLIC TRANSPORTATION
LISTING OF STATIONS BY THD NUMBER

THD NO	LOCATION	DIST	FCC NO	Equipped for CHANNEL Tx - Rx
1	AMARILLO	4	KKR785	AB-AB
2	BORGER	4	KDZ434	AB-AB
3	DALHART	4	KKR784	AB-AB
4	DUMAS	4	KKU278	AB-AB
5	CANADIAN	4	KKR781	AB-AB
6	CANYON	4	----	-A
7	CHANNING	4	KTT865	AB-AB
8	CLAUDE	4	----	-A
9	GRUVER	4	KKR779	AB-AB
10	HEREFORD	4	KEM591	AB-AB
11	PAMPA	4	KKR782	AB-AB
12	PANHANDLE	4	----	-A
13	PERRYTON	4	KKR780	AB-AB
14	STRATFORD	4	KEM597	AB-AB
15	VEGA	4	KKR783	AB-AB
16	BOVINA	5	KDJ566	AB-AB
17	BROWNFIELD	5	KAU287	AB-AB
18	DIMMITT	5	KAU285	AB-AB

THD NO	LOCATION	DIST	FCC NO	CHANNEL
19	FLOYDADA	5	KAU283	AB-AB
20	LAMESA	5	KKR789	AB-AB
21	LEVELLAND	5	KDD934	AB-AB
22	LITTLEFIELD	5	KAU284	AB-AB
23	LUBBOCK	5	KKR787	AB-AB
24	LUBBOCK	5	----	-B
25	MORTON	5	KAU289	AB-AB
26	MULESHOE	5	KKR786	AB-AB
27	PLAINS	5	KKR777	AB-AB
28	PLAINVIEW	5	KAU286	AB-AB
29	POST	5	KKT435	AB-AB
30	RALLS	5	KDT416	AB-AB
31	SEMINOLE	5	KAU290	AB-AB
32	TAHOKA	5	KDT415	AB-AB
33	TULIA	5	KKR788	AB-AB
34	ALVIN	12	KGY273	AB-AB
35	ANGLETON	12	KKU516	AB-AB
36	BAY CITY	12	KKR801	AB-AB
37	BAYTOWN	12	KKR796	AB-AB
38	BELLVILLE	12	KKR795	AB-AB
39	CONROE	12	KKR800	AB-AB
40				
41	GALVESTON	12	KKH661	AB-AB
42	HEMPSTEAD	12	KGY272	AB-AB
43	HIGH ISLAND	12	KKR798	A-A
44	LA MARQUE	12	KKR799	AB-AB
45	HOUSTON	12	KKR778	AB-AB
46	GENOA	12	KUB839	AB-AB
47	ROSENBERG	12	KCX364	AB-AB
48	BENJAMIN	25	KKR790	AB-AB
49	CHILDRESS	25	KKR794	AB-AB
50	DICKENS	25	KKR793	AB-AB
51	MEMPHIS	25	KAU693	AB-AB
52	MUNDAY	25	KAU688	AB-AB
53	QUANAH	25	KAU689	AB-AB
54	SHAMROCK	25	KKR791	AB-AB
55	SILVERTON	25	KKR792	AB-AB
56	WELLINGTON	25	KAU687	AB-AB
57	PADUCAH	25	KAU690	AB-AB
58	MATADOR	25	KAU686	AB-AB
59	BALLINGER	7	KKT895	AB-AB
60	BARNHART	7	KKT902	AB-AB
61	BRONTE	7	----	-A
62	EDEN	7	KKT903	AB-AB
63	ELDORADO	7	----	-A

THD NO	LOCATION	DIST	FCC NO	CHANNEL
64	GARDEN CITY	7	----	-A
65	MENARD	7	----	-A
66	OZONA	7	KKZ864	AB-AB
67	SAN ANGELO	7	KKT893	AB-AB
68	SONORA	7	KKT910	AB-AB
69	STERLING CITY	7	KKT905	AB-AB
70	ABILENE	8	KKT894	AB-AB
71	ASPERMONT	8	KKT908	AB-AB
72	BIG SPRING	8	KKT874	AB-AB
73	HASKELL	8	KRJ786	AB-AB
74	SNYDER	8	KKT909	AB-AB
75	SWEETWATER	8	KKT892	AB-AB
76	ATHENS	10	KKT891	AB-AB
77	CANTON	10	KKT890	AB-AB
78	HENDERSON	10	KKT878	AB-AB
79	JACKSONVILLE	10	KKX852	AB-AB
80	LONGVIEW	10	KKX851	AB-AB
81	MINEOLA	10	KKX850	AB-AB
82	PALESTINE	10	KKT883	AB-AB
83	RUSK	10	KKX849	AB-AB
84	TYLER	10	KKT882	AB-AB
85	COLUMBUS	13	KKX219	AB-AB
86	CUERO	13	KAX576	AB-AB
87	EDNA	13	KKT899	AB-AB
88	GONZALES	13	KAX577	AB-AB
89	HALLETTSVILLE	13	KAX575	AB-AB
90	LA GRANGE	13	KKT898	AB-AB
91	PORT LAVACA	13	KKT897	AB-AB
92	VICTORIA	13	KKX218	AB-AB
93	WHARTON	13	KKT901	AB-AB
94	YOAKUM	13	KKT900	AB-AB
95	AUSTIN	14	KKT888	AB-AB
96	BASTROP	14	KKT896	AB-AB
97	BURNET	14	KKT889	AB-AB
98	FREDERICKSBURG	14	KKT876	AB-AB
99	GEORGETOWN	14	KCI680	AB-AB
100	GIDDINGS	14	KBP886	AB-AB
101	JOHNSON CITY	14	KBS318	AB-AB
102	LOCKHART	14	KBF254	AB-AB
103	LLANO	14	KBS333	AB-AB
104	MASON	14	KKT875	AB-AB
105	SAN MARCOS	14	KBF255	AB-AB

THD NO	LOCATION	DIST	FCC NO	CHANNEL
106	TAYLOR	14	KBF253	AB-AB
107	ALICE	16	KKX209	AB-AB
108	BEEVILLE	16	KKT906	AB-AB
109	CORPUS CHRISTI	16	KKT885	AB-AB
110	REFUGIO	16	KJB887	AB-AB
111	GEORGE WEST	16	KDE238	AB-AB
112	GOLIAD	16	KSP294	AB-AB
113	KARNES CITY	16	KKT886	AB-AB
114	KINGSVILLE	16	----	-A
115	ROCKPORT	16	----	-A
116	SINTON	16	----	-A
117	ANAHUAC	20	KDE239	AC-AC
118	BEAUMONT	20	KKT884	AC-AC
119	CLEVELAND	20	KDE240	AC-AC
120				
121	JASPER	20	KKT877	AC-AC
122	LIBERTY	20	KKT873	AC-AC
123	NEWTON	20	KBQ237	AC-AC
124	ORANGE	20	KAQ669	AC-AC
125				
126	SILSBEE	20	KKX293	AC-AC
127	WOODVILLE	20	KBP320	AC-AC
128	BRACKETTVILLE	22	KCU245	AB-AB
129	CARRIZO SPRINGS	22	KKT904	AB-AB
130	DEL RIO	22	KKT879	AB-AB
131	EAGLE PASS	22	KCU244	AB-AB
132	LA PRYOR	22	KCS540	AB-AB
133	LEAKEY	22	KDD933	AB-AB
134	ROCK SPRINGS	22	KKT880	AB-AB
135	UVALDE	22	KKT907	AB-AB
136	JUNCTION	7	KKU205	AB-AB
137	CLARENDON	25	KKV231	AB-AB
138	BIG LAKE	7	KSZ847	AB-AB
139	AUSTIN	14	KBR233	AB-AB
140	CLEBURNE	2	KAU694	AD-AD
141	DECATUR	2	KKV286	AD-AD

Part two of this roster follows next month with Stations 142--etc. Dave also sent a 10-code list as used by the SDHPT. For the most part this 10-code list is the same as the older APCO 10-code list (10-0 thru 10-99). Since there is a 10-code listed in the back of POLICE CALL and other sources I will not list all the codes. The more important codes are:

10-45 Animal carcass at ____
10-46 Assist motorist
10-47 Emergency road repair at ____
10-48 Traffic standard repair at ____
10-49 Traffic light out at ____
10-50 Traffic accident
10-51 Wrecker needed
10-52 Ambulance needed
10-53 Road block at ____
10-54 Livestock on highway
10-59 Convoy or escort
10-61 Personnel in area

These have significance to SDHPT stations and units only:
10-100 Attention all stations
10-101 Test operation on auxiliary power
10-102 Operating on auxiliary power

Thanks, Dave, for this extensive report. This adds a tremendous amount of helpful info with which to follow activity. We all appreciate your input very much, Dave!

Other area state's highway maintenance channels that I have compiled so far are as follows:

For Alabama: no report on Highway Maintenance radio systems received.
For Arkansas: 151.055, 151.085, 151.100, 151.070 repeater outputs for the various Ark. Hwy Districts--see Sept 82 newsletter for more details.
For Louisiana: no report on Hwy. Maint. radio systems received.
For Mississippi: 47.14 & 47.26--Miss. Hwy. Dept.--further details needed.

For Tennessee: 47.28, 47.36, 151.01, 151.04, 151.07, 151.13, 159.18 (Dept. of Transportation)--info courtesy of BILL, TN-3. Further details would be appreciated.
For Oklahoma: no report on Hwy. Maint. radio systems received.
For Texas: In addition to the info in the Feb 82 & April 82 columns plus the info in this month's column, local county road departments are generally found on one of the local govt licensed freqs as listed in POLICE CALL or similar frequency directory (most commonly 37.18 or 37.26 but don't overlook VHF-high or UHF band licenses). There are a few exceptions according to my FCC license listings, which show some licenses in the highway maintenance radio service/frequencies---

Jefferson Co.---151.085 & 150.995	Parker Co.--37.92 & 37.96
Harris Co.---37.90 & 37.98	McLennan Co.---159.045/156.165
Brazoria Co.---37.90	Ft Bend Co.--45.68

Travis Co. or City of Austin (not sure)---156.24/159.00

Any fill-ins for the report next year would be most appreciated. In other words, please write in!

And with that I best shut down the column for this month. The latest word from main Headquarters is cut back on column length due to printing costs going up again. So again let me wish you all the best of the Holiday Season.

PUBLIC SAFETY WEST

PUBLIC SAFETY - WEST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming to:

George Hoggatt, 17473 E. 16th Drive, Aurora, CO 80011.

Since this is for the December issue, I guess it is time to wish you a Merry Christmas and a Happy New Year. For those who don't celebrate Christmas, you still have my best wishes. For the next three or four issues, we will be operating under a restricted format - five pages or less. It probably won't make much difference to this column. However we did have 6½ pages in October and 10 pages last month. Only one new item has arrived for this month. It's a good thing that I saved back some from last month.

AURORA FIRE DEPARTMENT - Tim Tonge (MO-070)

STA.	ADDRESS	EQUIPMENT
1	9801 E. 16th	engine 1, truck 1, rescue 1
2	12600 Hoffman Blvd.	engine 2

3	3172 Peoria	engine 3, brush truck 3
4	1110 S.Quentin	engine 4, truck 4
5	1339 Buckley Road	engine 5, truck 5
6	15588 E. Hampden Cir.	engine 6, truck 6 (large tiller truck)
7	2290 S. Blackhawk	engine 7, rescue 7
8	250 S. Chambers Road	engine 8, rescue 8, A2*
9	17200 E. Mexico	engine 9
10	3925 S. Reservoir Rd.	engine 10
11	planned	
12	planned	

*A2 is the arson investigator.

The standard residential respose is: 2 engine companies, 1 truck company, 1 rescue, 1 battalion chief, A2

Channel 1 = 154.400 repeater (153.95 in)
2 = 154.400 simplex
3 = 154.355 simplex
FERN = 154.280 simplex

BANCROFT FIRE PROTECTION DISTRICT - Tim Tonge
This district covers the southern part of Lakewood, the unincorporated area south of Lakewood and west of the Littleton FPD and some of the eastern foothills including the town of Morrison and Red Rocks Park.

STA.	ADDRESS	EQUIPMENT
1	6315 Morrison Road	pumper 1, ambulance 1, reserve pumper, emergency unit
2	9195 W. Jewell	squirt 2
3		fast attack pumper 3
4	Turkey Cr. Can. Rd.	fast attack pumper 4
5	10300 W. Chatfield	pumper 5, fast attack pumper 5, ambulance 5, reserve pumper
6	3301 S. Field	squirt 6, ambulance 6, rescue 6
7	13300 W. Yale	pumper 7
8	15255 W. Bellview	pumper 8, fast attack pumper 8

UTAH FORESTRY CONSERVATION - Scott Menke (IL-054)

159.240 mobile units KL3107
159.285 " " "

159.240 Salt Lake City KLH919
159.285 " " " "

151.415 Kaysville KSJ485

151.280 Milford WRA312

156.425 Parks and Recreation Provo KZV829
156.800 " " " " "
156.425 " " " " KBP394
156.450 " " " " KBP397
156.800 " " " " KBP398
also KCB396, KCB397, KCB398

SALT LAKE COUNTY UTAH SEARCH AND RESCUE - Kent Haycock (CASZ-004)

Units are toned out on 154.650. Operations are on 45.050 ch. 1 or 155.160 Ch. 2

COLORADO SPRINGS COLORADO - Donald Bishop (CO-002)

Police HQ - 224 E. Kiowa St., business phone 578-6712
East Substation - phone 578-6619
West Substation - phone 578-6726
emergency calls - 632-6611

Fire HQ - 31 S. Weber St. - 578-6820
Training Center and Garage - 3677 E. Bijou

EL PASO COUNTY SHERIFF
Headquarters - 18 E. Cucharras
Information, Administration
phone - 471-5425
Jail phone - 471-5466

STA.	ADDRESS	STA.	ADDRESS
1	29 S. Weber	6	2430 N. Union Blvd.
2	314 E. San Miguel St.	7	3901 Palmer Park Blvd.
3	922 W. Colorado Ave.	8	3602 Airport Road
4	2280 Southgate Road	9	622 Garden of the Gods Road
5	2830 W. Colorado Ave.	10	3730 Meadowland Blvd.
		11	3810 Lakehust Dr.

COLORADO STATE PATROL 10 CODES AND ROAD CONDITIONS CODES - ye editor

10-0 Caution
10-4 OK
10-5 Relay
10-7 Out of service
10-8 In service
10-9 Repeat
10-13 Weather/road report
10-20 Location

10-21 Call _____ by telephone
10-23 Arrived at scene
10-24 Assignment completed
10-27 Drivers license information
10-28 Vehicle registration
10-29 Check for wanted
10-33 Emergency
10-41 Beginning tour of duty
10-42 Ending tour of duty
10-50 Accident -(P.D.,P.I.,Unk.)*
10-55 Intoxicated driver
10-64 Message for local delivery
10-66 Cancellation
10-78 Need assistance
10-89 Bomb threat
10-95 Prisoner/subject in custody
10-96 Mental subject
10-99 Wanted/stolen indicated

* P.I.=Personal Injury, P.D.=Property Damage

Code 1 No late report
Code 2 No oversize load
Code 3 Restricted due to wind
Code 4 Fog
Code 5 Blowing dust
Code 6 Visibility poor
Code 7 Rain
Code 8 Hail
Code 9 Snow
Code 10 Sleet
Code 11 Ground blizzard
Code 12 Snowslide
Code 13 Road(s) closed
Code 14 Road wet
Code 15 Road Dry
Code 16 Road icy
Code 17 Road icy in spots
Code 18 Road snowpacked
Code 19 Road snowpacked in spots
Code 20 Chains only
Code 21 Road slushy
Code 22 Drifting snow
Code 23 Adequate snow tires or chains required

COLORADO MISC. - ye editor

I still haven't got to take the trip(s) around Colorado that I have been talking about for two years, but I did get out a little.

FREMONT AND CUSTER COUNTIES

154.845	155.730	PP	RP	Prisons, Fremont and Custer County Sheriffs, Colorado State Patrol, Canon City PD This appears to be the main police channel
155.835	153.965	PL	RP	"Fremont Control", Canon City, mostly prisons
155.310	155.310	PP	BM	State Institutions, active with prison traffic
154.935	154.770	PP	BM	State Patrol not used, only the Pueblo Dispatch office heard

CITY OF PUEBLO

155.670	*	PP	RP Police	Ch. 1 Dispatch for South District
154.815	*	PP	RP Police	Ch. 2 Dispatch for North District
155.070	*	PP	RP Police	Ch. 3 Chit chat, paging

all three channels are simulcast during emergencies (stickup, etc.)
* mobile frequencies - 158.850, 158.910, 159.210

460.600	465.600	PF	RP	Fire Dispatch

GARFIELD COUNTY AND GLENWOOD SPRINGS

155.805	156.015	PL	RP	Green channel Fire units are dispatched on a simulcast with Yellow
155.070	156.150	PP	RP	Yellow channel Chit chat, Fire units (900's)
155.190	156.090	PP	RP	Blue channel main police dispatch for county and city units. Glenwood Springs does its own dispatch and the county does theirs both on this frequency

LA PLATA COUNTY AND DURANGO AREA

155.310	156.150	PP	RP	City police Dispatch, sheriff's units when in the area 159.150 is no longer used
155.595	154.785	PP	RP	County units and city units for information
154.445	153.770	PF	RP	Animas FPD Durango FD dispatched this frequency

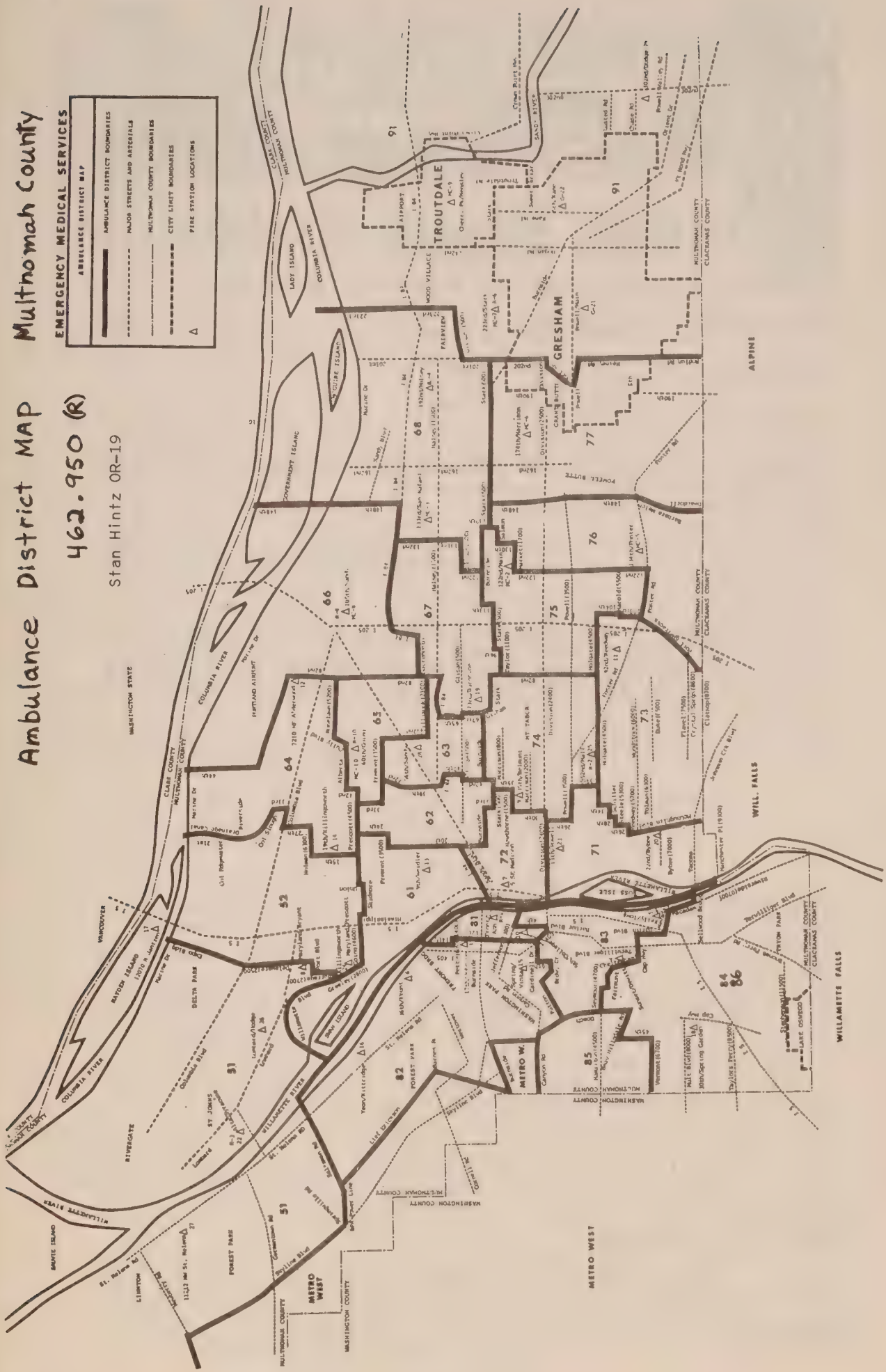
When not in the Durango area the Sheriff uses the CSP channels (154.695)
Bayfield PD is on CSP

MARICOPA COUNTY SHERIFF'S DEPARTMENT
PHOENIX, ARIZONA

Rod Sutter (AZ-047)

0 POLICE CAR STOLEN (Phone Headquarters Immediately)
1 NORMAL TRAFFIC
2 URGENT (Not Emergency)
3 EMERGENCY (Red Lights & Siren)
4 NO FURTHER ASSISTANCE NEEDED
5 STAKE OUT – STAY AWAY
7 OUT FOR LUNCH
11 OUT FOR REST ROOM
101 WOMAN IN CAR
102 WOMAN OUT OF CAR
103 OUT AT HEADQUARTERS
104 OUT FOR REPAIRS
105 OUT FOR SUPPLIES
209 KIDNAPPING
210 BOMB THREAT
211 ARMED ROBBERY
239 FIGHT
239A GATHERING
240 ASSAULT
240C CHILD BEATING
245 ASSAULT W/DEADLY WEAPON
250 P/U ON WARRANT OR PETITION
251 COURT DETAIL OR PRISONER TRANSPORT
252 IMMIGRATION VIOLATION
261 RAPE
262 ATTEMPTED RAPE
265 PROSTITUTION
267 NARCOTICS OR OTHER DRUGS
268 ILLEGAL POSS./CONS. (Beer, Liquor, Etc.)
270 BLOOD RUN
300 GAMBLING
311 INDECENT EXPOSURE
390 VAGRANCY
390B INTOXICATED PERSON
390D MAN DOWN
391 TRASH FIRE
392 ESCAPEE
410 CIVIL MATTER
411 CITIZEN ASSIST
412 MOTORIST ASSIST
413 IMPERSONATION OF OFFICER
415 LANDLORD/TENANT TROUBLE
415A NEIGHBOR TROUBLE
415B MALICIOUS MISCHIEF (Vandalism)
415C JUVENILE DISTURBANCE
415D DRUNKS DISTURBING
415E NOISES DISTURBING
415F FAMILY FIGHT
417 MAN W/GUN
417A MAN W/KNIFE
459 BURGLARY
459A BURGLARY ALARM
470 FORGERY OR BOGUS CHECKS
471 FRAUD OR CON GAME
487 THEFT
489 THEFT FROM VEHICLE
505 THREATENING OR OBSCENE PHONE CALLS
506 THREATS TO COMMIT OFFENSE
509 STOLEN VEHICLE
509R STOLEN VEHICLE RECOVERY
510 SPEEDERS
555 HOMICIDE
584 TRAFFIC CONTROL
585 TRAFFIC HAZARD
586 ILLEGAL PARKING
587 EMERGENCY RD. REPAIRS, FLARES NEEDED
647A SUSPICIOUS PERSON
647B SUSPICIOUS VEHICLE
652 SEX CRIME
666 SUICIDE
666A SUICIDE ATTEMPT
667 MISSING PERSON
667A RUNAWAY JUVENILE
668 EMERGENCY MESSAGE
669 INFORMATION RECEIVED
670 CHECK WELFARE
692 DWI
693 RECKLESS DRIVING
712 TRESPASSING
714 ILLEGAL DUMPING
715 ILLEGAL BURNING
777 EXPLOSION
778 SHOOTING TOO CLOSE
801 CHILD NEGLECT
802 CHILD MOLEST
821 CONT. TO THE DELCNY. OF MINOR
822 INCORRIGIBLE JUVENILE
900 DROWNING
901 INJURED PERSON
901B SICK PERSON
901C CUTTING VICTIM
901H DEAD BODY
901S SHOOTING VICTIM
902H HOSPITAL FOLLOW UP
904 FIRE
904A ARSON
905 FOLLOW UP & ASSIST
906 OFFICER NEEDS ASSIST (Minor)
907 ASSIST OTHER AGENCY
908 TELETYPE REQUEST
909 SPECIAL DETAIL
910 TRAFFIC CITATION
913 CARRYING CONCEALED WEAPON
914 CORONER REQUEST
917A ABANDONED VEHICLE
918 MENTALLY ILL PERSON
921 PROWLER
921P PEEPING TOM
925 AMBULANCE REQUEST
926 TOW TRUCK REQUEST
927 UNKNOWN TROUBLE
928 FOUND PROPERTY
929 LOST ARTICLES
929A LOST ANIMALS
930 ANIMAL PROBLEMS (Bites, Disturbance, etc.)
931 DEAD ANIMALS
955 PHOTOGRAPHER REQUESTED
960 PLANE CRASH
960B BOATING ACCIDENT
961 ACCIDENT WITHOUT INJURIES
961A ACCIDENT WITHOUT INJURIES INVOLVING ALCOHOL
962 ACCIDENT WITH INJURIES
962A ACCIDENT WITH INJURIES INVOLVING ALCOHOL
963 ACCIDENT WITH FATALITIES
963A ACCIDENT WITH FATALITIES INVOLVING ALCOHOL
964 BEE THE PARTY
965 ACCIDENT, PRIVATE PROPERTY
990 WAGON REQUEST
998 OFFICER INVOLVED IN SHOOTING
999 OFFICER NEEDS EMERGENCY ASSISTANCE

The 10 code list that goes with this appeared last month.


Ambulance District MAP
462.950 (R)
Stan Hintz OR-19
Multnomah County
EMERGENCY MEDICAL SERVICES
AMBULANCE DISTRICT MAP
AMBULANCE DISTRICT BOUNDARIES
MAJOR STREETS AND ARTERIALS
MULTNOMAH COUNTY BOUNDARIES
CITY LIMIT BOUNDARIES
FIRE STATION LOCATIONS
TROUTDALE
GRESHAM
ALPINE
WILL. FALLS
WILLAMETTE FALLS
METRO WEST
RIVERGATE
FOREST PARK
DELTA PARK
LINNTON
SAUVIE ISLAND
LADY ISLAND
GOVERNMENT ISLAND
COLUMBIA RIVER
WILLAMETTE RIVER
SANDY RIVER
CLARK COUNTY
WASHINGTON COUNTY
CLACKAMAS COUNTY
MULTNOMAH COUNTY
PORTLAND AIRPORT
HAYDEN ISLAND
WASHINGTON STATE

Public Safety-California

Public Safety-California P.O. Box 3962 Santa Fe Springs, California 90670-1962

PUBLIC SAFETY - CALIFORNIA

Send Public Safety and Special Emergency frequencies, radio system details and questions to:

Public Safety, California, P.O. Box 3962, Santa Fe Springs, CA 90670-1962

Welcome to the December 1982 issue of Public Safety-California

From HUGH (CA-LA-472): Dodger Stadium
151.745 Parking lot Security
154.57 Ushers
Unit designations are quite fanciful = Raider 1, 2, & 3 work the parking lot, while Spy right & Spy left watch for fans getting to 390 or 415 in the stands.

From LYBRAND (CA-LA-157): In addition to other South Bay Fire Companies changing unit numbers, Palos Verdes Estates, Gardena, and Torrance have joined. Palos Verdes Estates #7, Gardena #8, and Torrance #9, so that Palos Verdes Estates Engine #1 became #71, Gardena #1 became #81, and Torrance Engine #4 became Engine #94, and so forth.

From CRAIG (CA-VE-011): Items of interest. Freqs in addition to the list in the August column used by Los Angeles City Fire.

168.65	Firescope Primary Calling
170.525	USFS Tac 4 Firescope
168.725	USFS Tac 5 Firescope
169.875	USFS CSL-4 Firescope
169.175	USFS CSL-5 Firescope
172.35	Los Padres National Forest F4
169.125	USFS Angeles NF/Cleveland NF

From ED (CA-RI-013): CDF San Bernardino
151.325 has been set up for the Eastern Division so that there will be an East and West Division as there is in Riverside County. The first part went into service July 1st and will expand to the High Desert approx. January with Battalions 2-4-5-8-9 using it.
For the US musical festival at Devore over Labor Day, a temporary repeater on 151.325 was utilized as the festival command net, with a tactical freq of 168.100 and USFS 164.125. A joint CDF-USFS command operation was set up. FAA had a temp. tower to handle air traffic between CDF, Sheriff, News Media, etc. on 124.80.
San Bernardino Sheriff used 154.74 for ground units and 154.92 for helicopters. 154.28 was ground to Air. The SBSO helicopter used a water bucket for water drops. The bucket and a 40 ft. comm. trailer were purchased by the Music Festival people as a donation.
The California Highway Patrol used 42.34 for the numerous festival units.

From DAVID (CA-SF-025)
NORTH COAST CDF FACILITIES:

frequency article on CDF encouraged me to obtain information about CDF in the San Francisco Bay Area.

NUMBER SYSTEM:
CDF equipment have 4 digit identifiers. The first digit is the region,

the second digit is the ranger unit (SEE AUGUST 1982 PS-CAL p.43-44), and the last two identify the type of equipment. eg: 40 series are bulldozers, 60 series are 4-wheel drives; 70 and 80 series are fire engines, and 90 series are water tankers.

The Lake-Napa Ranger Unit has:
Leesville Station 1362
Wilbur Springs 1366
St. Helena 1342, 1376, 1382, 1391(Unit Hq)
Las Posadas 1380 (near state forest Las Posadas)
Spanish Flat 1344, 1365, 1381, 1395
Napa 1385, 1390, 1394
Yountville 1386 (serves as town FD)
Gordon Valley 1364
Brooks 1363
(CDF serves as Napa County Fire Department)

Sonoma Ranger Unit:
Santa Rosa 1477, 1490 (Unit and Region Hqs in Santa Rosa)
Occidental 1462
Cazadero 1479
Hiltom 1463, 1475
Sea Ranch 1478
Glen Ellen 1461, 1481, 1441
Petaluma 1476
Healdsburg 1480, 1483, 1440
Cloverdale 1460, 1482

Sonoma Co. Airport- Tankers 45, 79
Ukiah Airport- Tankers 92, 94
Near Ukiah at Howard Forest-Helicopter 101
Boggs Mt nr Middletown Helicopter 103

(Frequencies are as listed in August 1982 PS-CAL at p. 43)

From San Francisco, with an indoor antenna, I monitored CDF operations during the September fire near Calistoga, Napa County on Region Net and Yellow Aircraft (the pilot's voice was easy to understand). By referring to call numbers, I was able to identify units brought in from Mendocino and Humboldt to fight the fire.

From DAVID (CA-SF-025)
MARIN COUNTY FIRE DEPARTMENT:

Instead of having CDF fire units, Marin County prefers to maintain its own county fire department. This paper discusses the organization, activities, and unit identification system of MCFD.

ORGANIZATION:
The MCFD has 62 full-time positions as follows: 1 chief; 3 asst. chiefs; 6 captains; 12 lieutenants; 3 dispatchers; 3 heavy equipment operators; 10 paramedics; 1 fire prevention officer; 20 firefighters; 1 cook; 1 heavy equipment mechanic; and 1 fire clerk.

ACTIVITIES:
Fore 1982-83, MCFD has a $2.5 million budget of which 25% comes from CDF and a smaller amount from the US Government (for providing service to Pt. Reyes National Seashore.

In 1981, MCFD responded to 1,585 incidents as follows: 349 ambulance calls; 537 first aid calls, 357 emergency calls, 26 false alarms, 63 miscellaneous calls, 49 vehicle fires, 62 structural fires, and 95 wildlands fires.

UNIT ID SYSTEM:
MCDF unit i.d. system is exactly similar to that of CDF. The county prefers to have its own department because they (the county) believe that CDF would not provide as many pieces of equipment.

Marin County Fire Department Frequency: 46.28 mhz. However, MCDF can talk with CDF aircraft. (Use Yellow Frequency 151.3100 mhz). Also, MCDF uses 46.28 mhz to communicate with Bolinas, Stinson Beach, and Marinwood Fire Districts. (These districts serve small communities, of which the first two districts are located in rural West Marin.

IDSystem:

1500-Chief; 1501- Asst-Chief-Administration; 1511 and 1512 are aast. chiefs of fire control; 1520-fire marshall

1523- recon jeep (Throckmorton Station); 1530-mechanic; 1535-utility vehicle 1536- 4WD Pick-up; 1537- Ford Courier; 1540-Transport; 1543-dozer; 1554-road truck;

60 series are Type 3 4WD Wildland Engines: 1561- reserve (Hq station); 1562- Hicks Valley Station; 1563- Marin City; 1565- Point Reyes Station; 1566-Tomales; 1567 Woodacre; 1568-Woodacre

1570-Type 3 Conv Wildland Engine (Throckmorton Station)

80 series are Type 1 1000 GPM Structure Engines: 1580- Throckmorton; 1581- Tomales; 1582 Woodacre; 1583-Marin City; 1584-Point Reyes Station

Rescue 90- Paramedic Ambulance, Point Reyes

90 series are Water Tenders: 1591-Tomales(reserve-1000 gallons); 1592- Woodacre(reserve-1100 gallons); 1593-Hicks Valley(2000 gallons); 1594-Woodacre (2500 gallons).

1595-Rescue Truck, Woodacre.

STATIONS: (Stations are named after the town its located in.)
WOODACRE: is headquarters, com center (west of Town of Fairfax Woodacre is a small village)
TOMALES: A small community in rural West Marin
MARIN CITY: Just off US 101 by City of Sausalito.
PT. REYES STATION: (this is the name of the town, fire station is near center of town.)
HICKS VALLEY:
THROCKMORTON: Two small communities in Southern Marin.

As one can see, the fire stations are all located in very small communities. As mentioned earlier, MCFD uses 46.28 mhz to coordinate with Bolinas, Stinson Beach, and Marinwood Fire Districts on rescue and wildlands fire.

The MCFD, especially the station at Pt. Reyes Station, provides fire service for Pt. Reyes National Seashore. Just Recently, US Park Service on 164.8000 mhz, MCDF, Bolinas, and Stinson Beach Districts (46.28) coordinated a search/rescue for two juveniles near Bolinas Lagoon.

The MCDF also responds to wildlands fires in the Golden Gate National Recreation Area (these areas lie in central and southern Marin) as well.

Currently, there have been two grass fires (30 and 90 acres) fought by MCDF, Marinwood District, and CDF Air units in the Marinwood area (just west of US 101 near San Rafael). Such fires mean good monitoring action on the Yellow Air and MCDF frequencies. (plenty of identifiers and conversation.

I found MCFD very cooperative in answering my letter and providing a fast response.

MARIN COUNTY FIRE DEPARTMENT
WOODACRE, CA 94973

ALAMEDA COUNTY WIDE FIRE MUTUAL AID PLAN
From CLIFF (CA-AL-029)

IDENTIFIER-CITY/AREA	ZONE	Manpower/equip. expected engines	men	trucks	men	FREQUENCIES*	OTHER
1 -CASTRO VALLEY	CENTRAL	1	3	1	3	154.07	ZONE CHIEF
2 -SAN LEANDRO	CENTRAL	1	3			154.07	
3 -EDEN CONSOLIDATED	CENTRAL		3			154.07	
4 -HAYWARD	CENTRAL	2	3	1	2	154.07	
5 -FREMONT	SOUTH	2	3	1	2	488.4125/489.0125/154.07	ZONE CHIEF
6 -PLEASANTON	EAST	1	3			154.235	CHIEF
7 -ALCO FIRE PAEROL	EAST	1	2			154.235	
8 -NEWARK	SOUTH	1	3			488.6125/154.07	

9 -OAKLAND	NORTH	4	4	2	10	154.355/153.785/154.07	
10-BERKELEY	NORTH	2	4	1	3	154.19/154.07	ZONE CHIEF
11-FAIRVIEW	CENTRAL	1	3			154.07	CHIEF
12-UNION CITY	SOUTH	1	3			488.6625/154.07	CHIEF
13-TENNYSON							
14-DUBLIN/SAN RAMON	EAST	1	3			154.235	
15-CAMP PARKS	EAST	1	2			154.235	
16-LIVERMORE	EAST	1	3			154.235	
17-PIEDMONT	NORTH	1	3	1	3	154.355/154.19/154.07	
18-LIVERMORE LAB	EAST	1	3			154.235	ZONE CHIEF
19-V.A. HOSPITAL						154.235	
20-SANTA RITA						154.235	
21-EMERYVILLE	NORTH	1	3			154.07/154.355	
22-							
23-O.E.S.	CENTRAL	1	3			154.07	
24-FAIRMONT							
25-BERKELEY LAB	NORTH	1	3			154.07	
26-ALBANY	NORTH	1	3			154.07/154.385	CHIEF
27-ALAMEDA (city)	NORTH	2	3			154.13/154.07	
28-G.E. VALLECITOS							
29-NAS ALAMEDA						154.07	
30-OAK KNOLL HOSPITAL						154.07	
31-OAK ARMY BASE							
54-C.D.F. SUNOL						151.445/154.235	
56-E.B.R.P.D.						154.355/154.235/46.10/46.38/44.38	
NO ID#-NAVAL SUPPLY CENTER						154.07	
NO ID#-OAKLAND AIRPORT						154.07	

*NOTE: ALL AREAS/CITIES ARE SUPPOSE TO BE ABLE TO USE STATE WHITE 154.28-ALONG WITH FREQUENCIES SHOWN ABOVE!

CAL TRANS 10 CODE
From CLIFF (CA-AL-029)

10-1	RECEIVING POOR
10-2	RECEIVING WELL
10-4	MESSAGE RECEIVED
10-5	RELAY TO _____
10-7	OUT OF SERVICE TEMPORARILY
10-8	IN SERVICE
10-9	REPEAT
10-10	OFF DUTY
10-13	ADVISE ROAD WEATHER CONDITIONS
10-19	RETURN TO YOUR OFFICE
10-20	WHAT IS YOUR LOCATION?
10-21	TELEPHONE_____
10-22	CANCEL
10-23	STAND BY
10-30	TRANSMISSIONS RESTRICTED TO EMERGENCY TRAFFIC,ROAD/WEATHER CONDITION
10-32	PICK UP DEAD ANIMAL
10-40	AIR OPEN TO NORMAL TRAFFIC
10-43	MESSAGE DELIVERED
10-44	DO YOU HAVE TRAFFIC FOR THIS UNIT
10-45	NO TRAFFIC FOR YOUR UNIT
10-50	EMERGENCY TRAFFIC-ALL UNITS STAND BY
10-51	ADVISE IF _____ IS AVAILABLE FOR TELEPHONE CALL
10-52	_____ IS AVAILABLE FOR TELEPHONE CALL
10-53	_____ IS NOT AVAILABLE FOR TELEPHONE CALL
10-80	BOMB THREAT REPORTED AT _____
10-80N	BOMB THREAT UNFOUNDED (NEGATIVE)
10-80P	BOMB THREAT DETERMINED TRUE (POSITIVE)
10-84	CALL YOUR HOME
10-97	ARRIVED AT SCENE
10-98	ASSIGNMENT COMPLETED !!

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DIVISION OF COMMUNICATIONS RADIO IDENTIFIERS
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

DC-400 AREA 4 SUPERVISOR
DC-401 HAYWARD
DC-402 SAN FRANCISCO
DC-403 HAYWARD
DC-404 SAN FRANCISCO
DC-405 MARTINEZ
DC-406 MARTINEZ
DC-408 BELMONT
DC-409 MILL VALLEY
DC-410 BELMONT
DC-411 OAKLAND
DC-412 SAN FRANCISCO
DC-413 SAN FRANCISCO
DC-415 FAIRFIELD
DC-100 AREA 1 SUPERVISOR
DC-101 SANTA ROSA
DC-102 SANTA ROSA
DC-111 ST. HELENA
DC-112 SANTA ROSA
DC-700 SALINAS
DC-707 MONTEREY
DC-708 SAN JOSE
DC-712 SAN JOSE

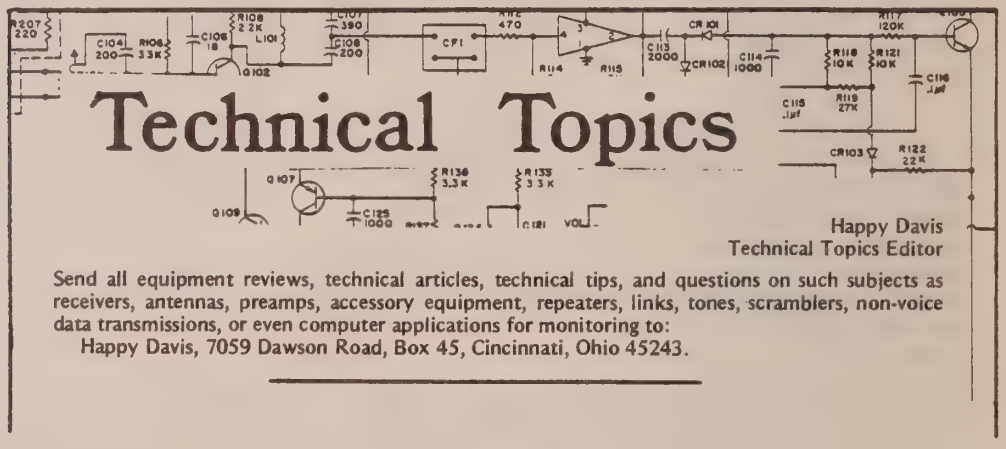
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
FREQUENCIES
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

47.02 WHITE DIST. 4,7,HQ
47.04 BLACK DIST. 3,4,9,HQ
47.06 BROWN DIST. 4
47.10 YELLOW DIST. 2,10,11,HQ
47.08 ORANGE LOCAL/STATE/HQ
47.12 BLUE DIST. 7
47.16 GRAY DIST. 3,8,HQ
47.18 PURPLE DIST. 5,HQ
47.20 RED DIST. 1,6,HQ
47.24 GREEN DIST 7

LOCAL MEANS THAT THIS FREQUENCY IS INTENDED FOR "ON THE JOB"-"SHORT RANGE USE"-USUALLY HIGHWAY CONSTRUCTION or SURVEY PARTIES !!

STATE MEANS STATEWIDE USAGE

NOTE: "DC" State Radio techs also use 153.755 R (Statewide) (Or atleast So. Calif.) using numerous CTCSS tones for different areas. ERIC (CA-LA-045)


Technical Topics
Happy Davis
Technical Topics Editor
Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions, or even computer applications for monitoring to:
Happy Davis, 7059 Dawson Road, Box 45, Cincinnati, Ohio 45243.

PRIORITY RADIO

The priority function on most scanners is all but useless-sampling too infrequently and chopping a big hole in the audio when it does sample. Then, too, it only operates on one channel. If you'd like to priority monitor a bank of ten little used but very interesting FBI surveillance channels and still catch the city police on a busy frequency, you're out of luck. That is, you are unless you're fortunate enough to own more than one scanner and have some familiarity with a soldering iron. No, I'm not suggesting that you simply run several scanners and try to pick out the message you want to hear while ignoring other simultaneous transmissions-read on.

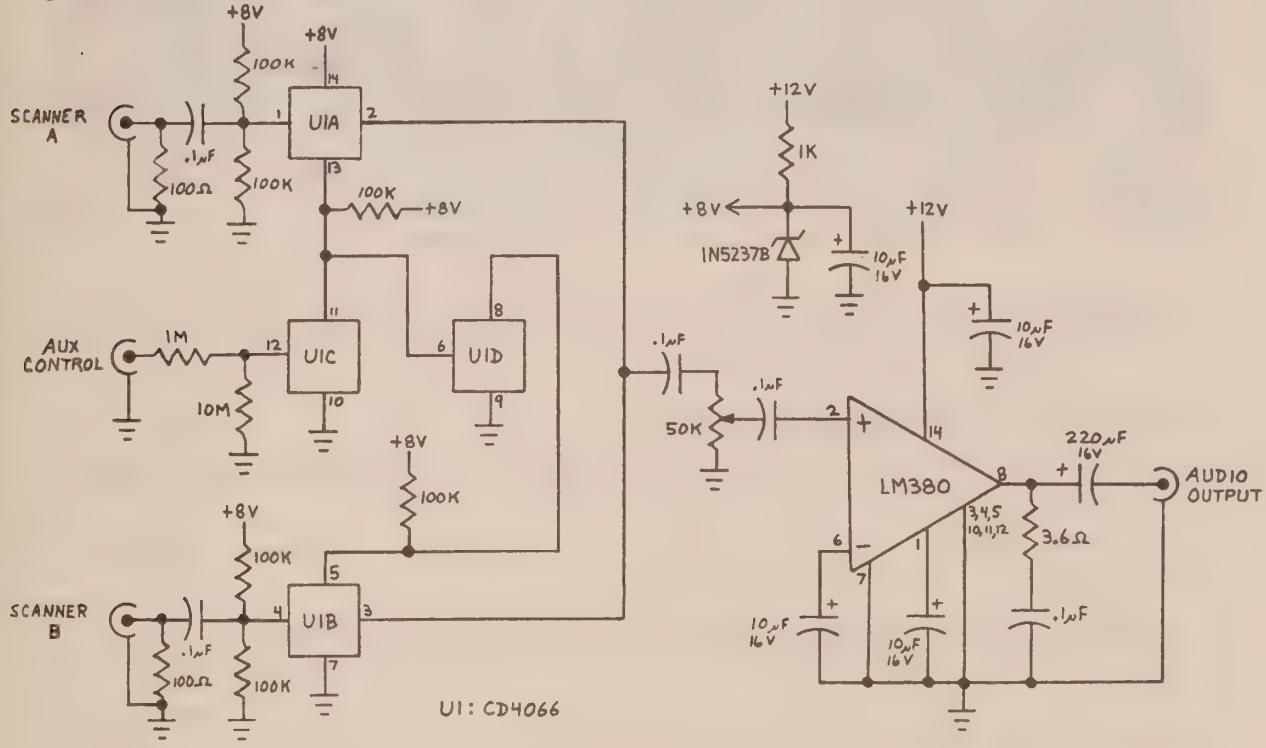
I use a simple circuit to prioritze two scanners and mute the audio of the secondary scanner when the primary scanner is active. The circuit is powered from the 12V mobile power connector on your scanner and needs an auxiliary control signal from the priority scanner. If your scanner has no auxiliary jack, one can be easily added. Just find the point in the squelch circuit that swings from 0 to 6 or more volts when you open and close the squelch. The priority controller AUX CONTROL input should be

connected to this point. It is high impedance and will not disturb the scanner's squelch operation in any way. If your priority scanner puts out a logic 0 when a signal is present, connect the SCANNER A input to its external speaker jack. Then connect the SCANNER B input to the external speaker jack of the secondary scanner. If the priority scanner puts out a logic 1 on an active channel, reverse the external speaker jack connections. Finally, connect an 8 ohm speaker to the audio output and you're in business.

Circuit operation is very simple. A type 4066 CMOS electronic switch controls which scanner is heard. U1A and U1B are the actual switch elements. U1C and U1D present a high impedance to the scanner's squelch circuitry and provide proper voltages to the control pins of the switch elements. The selected scanner audio is then routed to an audio power amplifier, the LM380. The amplifier is capable of a two watt output and is the same integrated circuit used in many Regency scanners for audio output.

I live in a rural county adjacent to Lexington, Kentucky which has several active channels I like to monitor. A Regency Whammo 10 is set up as my priority scanner to monitor county agencies and a few government frequencies. The secondary scanner is a Bearcat 300 used to monitor busy channels in Lexington and state police.

As with any multiple scanner set-up, use separate antennas and physically separate the radios as much as possible to avoid lock-up problems. In some cases using scanners with different IF's as I do, may reduce lock-up; each combination of channels poses different problems.



PRIORITY CONTROLLER

Subject: Recording from a scanner.

For those who can't listen to their radios for 25 hours a day, there is a way of recording from the new types of scanners. Bearcat and radio shack, that have a automatic feature that when a transmission is received from uour radio it turns on your tape machine and at the completion of a broadcast, shuts off. Well, you are going to say, well probably he hasn't read the owners manual, well I have. The way if shows, it gives

a hum in the recording. This problem is probably an impedence miss match between the radio and the tape player inputs and outputs. This can be remedied by using a set of suction cup microphones used in taping on the telephone, such as a Radio Shack #44533 priced at$1.99. This method has two ways of being used. First as a silent recording during the night and as a day time operations with full audio from the speaker. If you tape both microphones together suction cup to cup and place one of the plugs into the radios tape monitor jack and the other into the microphone input of the tape, it will sound very good. If you want a silent recording say, such as, a surveilance all night, plug it into the extention speaker jack and it will not disturg you or your wife's sleep. Well, that covers the audio. Now the tape player has a small miniture size jack maked remote. This turns on and off the tape machine. This will go to the auiiliary terminels of your radio. A word of caution to be noted, the center of the jack for the radio should be connected to the center terminal on the radio plug. The outside of the wire for the plug is considered a ground and should be connected to ground on radio terminal next to the auxiliary. See diagram. It workd cery well. I have used it for about 2 years and get very good recordings. Well, good and happy monitoring.

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

Larry Van Horn (TN-014),1111 N. Carrier Pkwy., B-107, Grand Prairie, Texas 75050.

Welcome all to the December Space Comm and I would like to take this opportunity to wish all our RCMA members and their families a very happy and joyous holiday season from Gayle, Loyd and myself.

Corrections, Additions, and Deletions

Many thanks to George Dubois OR-ØØ1 and Rick Matthew CANAØØ2for their corrections, additions and deletions to the July 82 Space Comm as follows:

2495-2505 4995-5005 9995-10005 14990-15010 19990-20000 24990-25000 khz are all allocated to standard and time stations only.

2501-2502 5003-5005 10003-10005 15005-15010 18052-18068 19990-19995 25005-25010 30005-30010 are HF WARC allocations for space and space search and rescue not RA.

WARC proposes reallocation of 10.6-10.68 Ghz band for fixed, domestic public, leaving 10.68-10.7 Ghz. allocated to RA. 18.8-19.7 Ghz is allocated fixed, fixed satellite not RA. 31.2-31.5 Ghz will be reallocated and 31.5-31.8 Ghz is shared. I missed a big one in TV channel 37, 608-614 Mhz which was allocated for RA way back in 1962. Basically this is the RA line up to the 50 Ghz region.

13360-13410 Khz		1610	-	1613 Mhz	14.47	-	14.5 Ghz
25550-25670 Khz		1660	-	1670 Mhz	15.35	-	15.4 Ghz
37.5 -38.25 Mhz		1718	-	1722 Mhz	22.21	-	22.5 Ghz
73 -74.6 Mhz		1400	-	1427 Mhz	23.60	-	24.0 Ghz
322 - 328.6Mhz		2655	-	2700 Mhz	31.30	-	31.8 Ghz
406 - 410 Mhz		4800	-	5000 Mhz	42.50	-	43.5 Ghz
608 - 614 Mhz		10.6	-	10.7 Ghz	48.94	-	49.04Ghz

Many thanks to both these gents for sharing their fine contributions.

RCMA MEMBER
(MA-021)

Orcutt & Hussey Communications Inc.

P. O. Box 216
Florence, Massachusetts 01060

REGENCY SCANNERS — PROGRAMABLES

D-810	50 CHANNEL, SERVICE SEARCH, AIRCRAFT & FM BROADCAST	$299.00
D-300	30 CHANNEL, FULL BAND COVERAGE, AC ONLY *	$215.00
D-100	10 CHANNEL, FULL BAND COVERAGE, AC ONLY *	$183.00
M-400	30 CHANNEL, SERVICE SEARCH, FULL BAND COVERAGE, AC/DC	$279.00
M-100	10 CHANNEL, FULL BAND COVERAGE AC/DC	$229.00
	* OPTIONAL DC CONVERTER AVAILABLE	$ 15.95

BEARCAT SCANNERS — PROGRAMABLES

BC 350	50 CHANNEL, SERVICE SEARCH, AIRCRAFT, W/NUMERIC DISPLAY	$390.00
BC-300	50 CHANNEL, FULL BAND COVERAGE, SERVICE SEARCH W/AIR	$345.00
BC-250	50 CHANNEL, SERVICE SEARCH, CLOCK, AC/DC	$282.00
BC-20/20	40 CHANNEL, FULL BAND COVERAGE, LIMITED SERVICE SEARCH W/AIR	$297.00
BC-210XL	18 CHANNEL, FULL BAND COVERAGE, AC/DC	$237.00
BC-150	10 CHANNEL, 5 BAND COVERAGE, AC ONLY	$183.00
BC-160	16 CHANNEL, 5 BAND COVERAGE, AC ONLY	$207.00
BC-100	16 CHANNEL FULLY PROGRAMABLE POCKET SCANNER W/ALL ACC.	$299.00

CANADIAN VERSION BEARCAT & REGENCY

CANADIAN VERSION SCANNERS ARE NOW AVAILABLE TO U.S. RESIDENTS. THESE RADIOS ARE IMPORTED FROM PICKERING, ONTARIO AND BAND COVERAGE INCLUDES 138-144MHZ. AND 406-420MHZ. AS WELL AS THE CONVENTIONAL US COVERAGE FROM 30-512MHZ. PRICES ARE IN US DOLLARS, *ADD 22.00 FOR CUSTOMS WHEN ORDERING. CANADIAN MEMBERS ADD $10.00 FOR AIR SHIPPING. ALLOW 4 TO 6 WEEKS DELIVERY TIME.

BC-20/20RC	$389.00
M-400	$329.00
M-100	$279.00

TERMS: → PRICES ON THIS ADD EXPIRE DECEMBER 1ST 1982 AND INCLUDE SHIPPING VIA UPS ANYWHERE IN THE US. ALLOW 7 TO 10 DAYS DELIVERY TIME, 4 TO 6 WEEKS FOR CANADIAN SCANNERS. MASS. RESIDENTS BE SURE TO ADD THE 5% STATE SALES TAX. SEND BANK CHECK OR POSTAL MONEY ORDER ONLY (NO PERSONALS PLEASE) ORCUTT & HUSSEY IS NOT LIABLE FOR WARRANTY PRODUCTS UNDER THE WARRANTY TIME NOTED.

PAID ADVERTISEMENT

Centric Orbits Defined

Mike our PS- California Editor has seen several terms in reference to different types of orbits in the NASA Satellite Situation report. For all who use this valuable reference the following terms are defined:

Selenocentric- of or relating to the center of the moon, in lunar orbit.
Heliocentric - of or relating to the center of the sun, in solar orbit.
Barycentric - As used for orbits which circle the Earth but fly into trans-lunar space, and which are markedly influenced by the gravitation pull of both the Earth and the Moon.
Aerocentric - of or relating to the center of Mars, in orbit around Mars.

Cosmos SARSAT

Cosmos 1383 was launched July 1, 1982 from the Russian spaceport Plesetsk into a 1041 X 1004 KM orbit inclined 83 degrees. 1383s primary mission is as a Navigation satellite transmitting it's signal on 150.000 Mhz. A special Search and Rescue transponder location device is riding pggyback on the spacecraft.

This is the first spacecraft to be flown under a joint Soviet, U.S., Canadian and French program to form a worldwide SAR capability based on spacecraft location techniques. The spacecraft will locate ELT equipment on either 121.5 or 243.0 Mhz and downlink them in the 406-406.1 Mhz range.

This system has already been used in one SAR mission in Canada successfully. As more details are obtained by ye editor on techniques used etc., I'll pass them on to the readership.

In the meantime monitor the 406 Mhz area and if you hear a signal, check 150 Mhz. If you hear the Navigation satellite signal here then you are listening to Cosmos 1383. If you hear any transmissions I would like to know. Drop me a line and give me the details. I'll share the information with the rest of the membership.

Enough for this month. Drop me a line or two and let me know what your hearing in the satellite world. Till 1983 73s to all. LVH KA5PAE/WDX5FAO

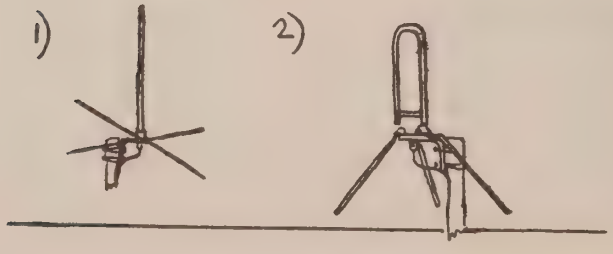
Railroads

Gary L. Sturm and
Bill Farmer, Editors

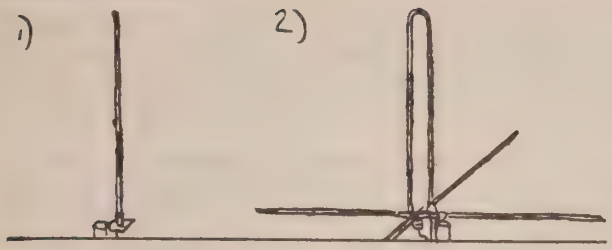
Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:
Gary L. Sturm, 48781 Denton Rd., Apt. 37, Belleville, MI 48111.

This month Terry of Ft. Wayne IN has sent us some information on the various types of base station antennas that are used by the railroads. We thank Terry for his efforts and hope that someone will follow with an article on railroad mobile antennas.

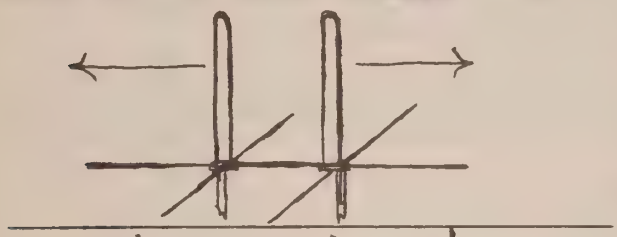
RAILROAD RADIO BASE STATION ANTENNA TYPES



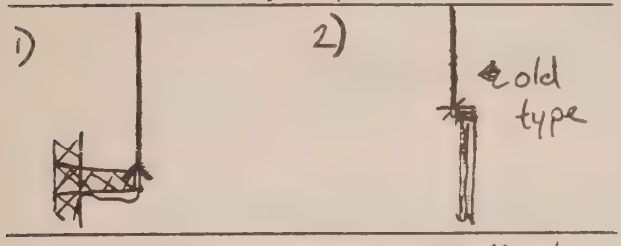
This type of antenna is known as the basic quarter-wave groundplane. The vertical portion measures around 18". It receives well from all points of the compass, and has no real gain. It is used at stations, and in yards where short-range communication only is required.



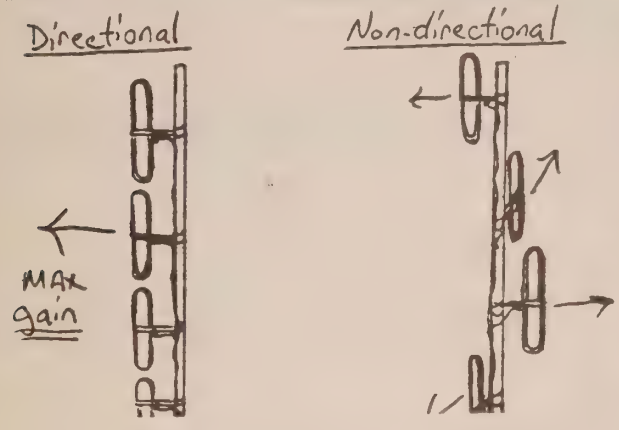
The half-wave dipole, or unipole, is not as popular as it was in the early days of R.R. radio, but is still very common. It has 3dB of gain, is non-directional, and is used at many interlocking towers and stations for medium range communication.



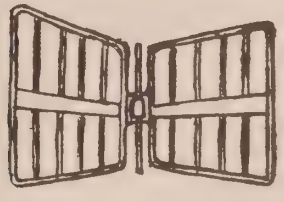
A sort of mutation of the unipole is the pairing up of two unipoles to produce bi-directional radiation (signal broadcast in opposite directions along a straight line). There are many towers and dispatcher remote sites using this design. It has a gain of 5dB.



By and large *the* most universal antenna in use by railroads is the 2-wavelengths vertical. It is easily recognized by its fiberglass sheathing. It has non-directional 6dB gain (6dB upwards), and nearly every railroad uses several at some location.



Dipole arrays get us into the directional types of antennas. Dipoles in this type of design are stacked, one atop the other. This provides gain and directionality. The dipole elements can be placed on various sides of the mounting pole to produce a non-directional pattern of lesser gain. Train dispatchers use this antenna at wayside base stations far from yard locations, or towers where longer range is required.



The corner reflector antenna is an example of a high-gain, very directional antenna. Its gain figures run upwards of 13dB, and it has a fairly narrow broadcast pattern. This antenna is made to order for train dispatchers at wayside remote bases which are spaced widely apart, or between a remote site and the next major terminal.

A final type of directional antenna is the Yagi beam antenna. This antenna is becoming more and more widely used as more miles come under direct dispatcher control. It provides even more gain than the corner reflector when required. It also has a more narrow broadcast pattern. It is a very popular design for long range radio communications.

MAIN LINES IN VIRGINIA

Southern Railway's channel #1 is 160.950 MHz, the road channel. On this channel you'll hear the train crews, crews switching cars, trainmasters, track supervisors and others. The railroad uses train radios with 40 watts output power and the switchmen use portables with a power rating of 5 watts output. There are automatic hotbox detectors operating at Manassas and Bealton.

The Southern also uses dispatcher channel #2 in its daily work. This channel is a repeater set-up. The input channel from the train is 160.830 MHz and the dispatcher's output channel is 160.245 MHz. Both channels will be needed to listen to both sides of the conversation.

The Richmond, Fredericksburg & Potomac uses a repeater set-up also. The dispatcher uses the channel 161.550 MHz to talk to the trains and the trains use 161.490 MHz to talk to the dispatcher. 161.550 MHz is also used by the trains as the road channel. These channels are also used at Potomac Yard in Alexandria VA.

The RF&P uses a tone system that "keys up" the dispatcher channel on 161.490 MHz. The dispatcher's panel has a light indicating when a train is trying to call him. He then responds to the calling train.

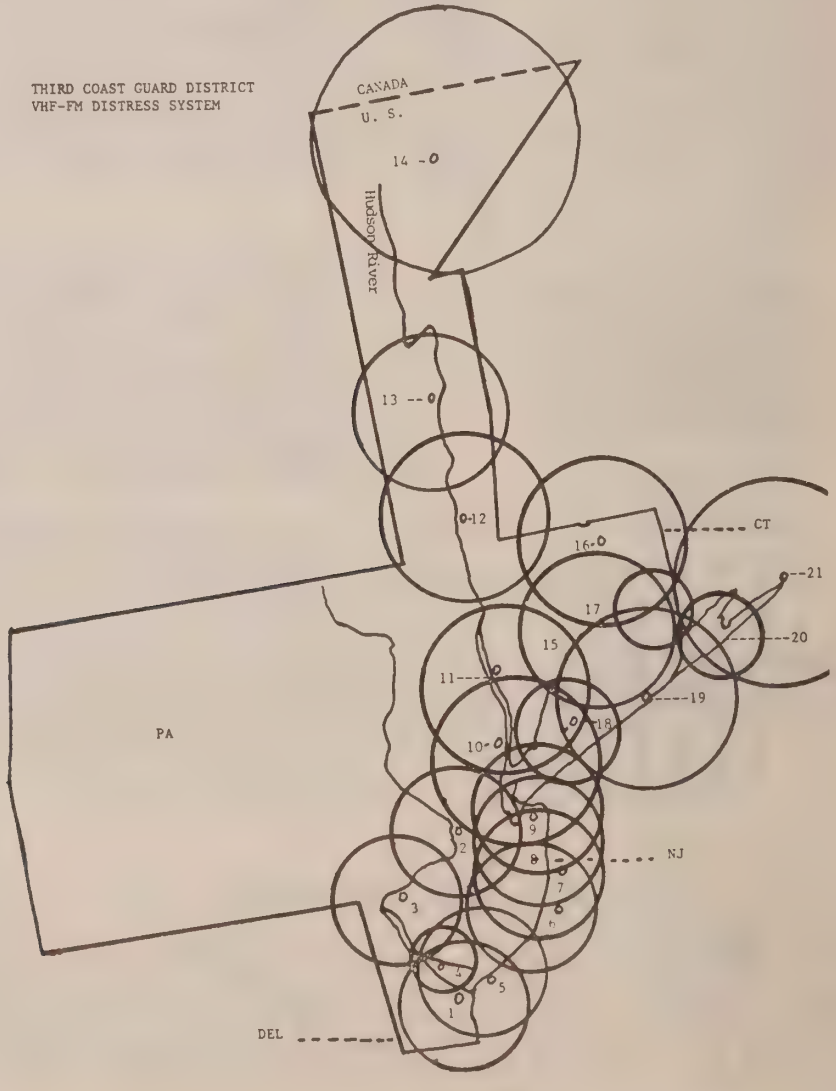
—Mark (VA-051)

VHF Marine

Send information, articles, frequencies and their use, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 424 W. 22nd St., Norfolk, VA 23517

Greetings and welcome to the December VHF Marine column. Since I have not yet begun to receive information, I will present some I already have.



THIRD COAST GUARD DISTRICT
VHF-FM DISTRESS SYSTEM

SITE	CONTROL POINT	ELEVATION(ft)
1. REHOBOTH BEACH	INDIAN RIVER STATION	117
2. BURLINGTON BRISTOL BRIDGE	BASE GLOUCESTER	196
3. DELAWARE MEMORIAL BRIDGE	BASE GLOUCESTER	475
4. FORTESCUE	GROUP CAPE MAY	70
5. CAPE MAY	GROUP CAPE MAY	189
6. ATLANTIC CITY	GROUP ATLANTIC CITY	200
7. BARNEGAT	GROUP ATLANTIC CITY	175
8. MANASQUAN	GROUP SANDY HOOK	165
9. SANDY HOOK	GROUP SANDY HOOK	159
10. 30 BROAD STREET(MANHATTAN)	GROUP NEW YORK	600
11. HUDSON RIVER #1	GROUP NEW YORK	1500
12. SAUGERTIES	SAUGERTIES STATION	700
13. ALBANY(SOUTH TOWERS MALL BLDG)	MSO ALBANY	650
14. MT MANSFIELD	BURINGTON STATION	4100
15. MILFORD	GROUP NEW HAVEN	250
16. CONNECTICUT RIVER	GROUP NEW HAVEN	200
17. WATERFORD (MILLSTONE PT)	GROUP NEW HAVEN	380
18. EATONS NECK	GROUP NEW HAVEN	150
19. FIRE ISLAND	GROUP ROCKAWAY	175
20. SHINNECOCK	GROUP SHINNECOCK	200
21. MONTAUK	GROUP SHINNECOCK	100

++ The preceding information courtesy of the 3rd. Coast Guard District, New York.

I hope that by the next issue I will have received a lot of good Marine VHF-FM Information to pass along to you. Please send in any information or questions that you have. I hope that all of you will have a very happy holiday season.

73's

NEW MEMBERS LIST

AL 025 ZERBE, ANDREW;1524-D 16TH ST S;BIRMINGHAM, AL 35205
CALA510 DANIELL, ED;777 ANOAKIALN;ARCADIA, CA 91006
CALA511 REGAN, MORRIS J;9 SERRA WAY;MISSION HILLS, CA 91345
CAMN001 SLATER, SHARON;P.O. BOX 368;CALPELLA, CA 95418
CASR018 HOBBS, STEVE;3235 C ROBLAR AVE;SANTA YNEZ, CA 93460
CT 073 KEMP, PETER W;5 GREENWOOD AVE;BETHEL, CT 06801
FL 165 LEVY, ROBERT;2517 SUNNYBROOK DR;SARASOTA, FL 33579
FL 166 GARDMER, PAUL N JR;737 S.E. 1ST WAY, 106;
DEERFIELD BEACH, FL 33441
IA 041 MENEES, WILLIAM E;RR 2 BOX 174;NORTH LIBERTY, IA 52317
IL 248 JOHNSON, MICHAEL A;629 WESTERN AVE;GLEN ELLYN, IL 60137
IN 072 MAPPES, ERIC;6260 HARDEGAN;INIDANAPOLIS, IN 46227
KY 041 DAVIS, CARROL W;1516 SMITH COURT;HENDERSON, KY 42420
MI 122 DRIER, MIKE;367 ALBERT ST;SEBEWAING, MI 48759
MO 079 LOOSEN, JAMES R;250 E BRIDLESPUR DR;KANSAS CITY, MO 64114

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- State/County Public Safety 2–Way Radio Systems
- Intersystem & Tactical State–Wide Networks
- National Disaster/Distress Frequencies
- State & National 10–Codes
- Radio Band Frequency List
- Monitoring & The Law
- Channel #s/System Uses
- State Troopers/Highway Patrol
- Civil Defense/Search & Rescue
- County Sheriffs/Fish & Game
- Turnpike Authorities
- Department of Motor Vehicles
- Forest Rangers/ Indian Affairs
- Correctional Institutions
- Radar Communications
- CB Calls for State Patrols

By Nathan Young
RCMA #FL–021

PAID ADVERTISEMENT

AVAILABLE IMMEDIATELY:
NORTHEAST U.S. EDITION (CT, DE, MA, MD, ME, NH, NJ, NY, PA, RI, AND VT)
NORTHEASTERN GULF COAST (S AL, S MS, S LA, NW FL)
CALIFORNIA WITH CHP MAP
AR, FL, GA, MO, OK, TX

8-10 WEEK DELAY:
AL, KS, LA, MS, TN

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*CALIFORNIA WITH SPECIAL CHP MAP-----$ 6.50
*AR, FL, GA, MO, OK, TX (ANY ONE)-----$ 5.95
**AL, KS, LA, MS, TN (ANY ONE)---------$ 5.95
(FLORIDA RESIDENTS, PLEASE ADD 5% STATE SALES TAX.)

(*AVAILABLE IMMEDIATELY)
(**EXPECT 8-10 WEEK DELAY)

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WARRINGTON, FL 32507

DEALER INQUIRIES ARE INVITED

New Members List continued

NC 051 KOVARIK, RICHARD F;624 ARLINGTON ST;CHAPEL HILL, NC 27514
NY 236 SAXBY, ROBERT F;R.D. 1;HOLCOMB, NY 14469
NY 237 DRACHMAN, SAM;1700 EAST 15 ST;BROOKLYN, NY 11229
NY 238 BERG, AL;1914 AVENUE G;BROOKLYN, NY 11230
NY 239 KING, WALLACE;101 EDOVARD ST;MANCHESTER, NY 03103
NY 240 HINTON, HENRY W;1118 MACE AVE;BRONX, NY 10469
OH 140 BATTISTA, JAMES C;815 N HIGH ST APT 61;COLUMBUS, OH 43215
PA 177 NELSON, SHERRY;6025 TORRESDALE AVE 2ND FL;
PHILADELPHIA, PA 19135
PA 178 MCKINSTRY, LORR;668 PARK STREET;BLOOMSBURG, PA 17815
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NORW002 STOELAN, INGE;JOHAN HALVORSON V 20;
N-1410 KOLBOTN, NORWAY

YES, IT WAS LATE.

The "October" Newsletter was late for several reasons. First we did not get it to the post office until Sept 23rd. Then for some reason it got lost.

Actual delivery in Anaheim was October 1st. We received an 'undeliverable' return from Houston, Texas on October 2nd. The Assistant Postmaster of Anaheim agrees that something went wrong, but they are not sure of what.

Our goal which we have met in 33 of the last 34 months is to have the newsletter in your hands before the start of the month of the cover date. However Please wait til the end of the first week of that month before you write to us. We hope we will never have this problem again.

It is good to know you missed our timely dilevery and cared enough to write.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications above 30 MHz as a hobby. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA me[illegible] tours for groups in any [illegible]a.
8) [illegible]d to facilitate contact [illegible].
9) [illegible]egular club newsletter de[illegible]e hobby.

RCMA
P.O. Box 4563
Anaheim, CA 92803

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